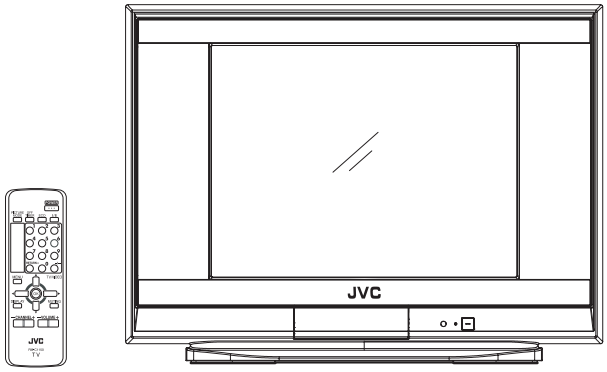
JVC

SERVICE MANUAL

COLOUR TELEVISION

AV-2100QE, AV-21Q17, AV-21Q17/L, AV-21QMG7/G, AV-21QMG7/S, AV-21QMG7B/G

BASIC CHASSIS
CQ



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SPECIFICATION

Items		Contents		
		AV-21QMG7/G, AV-21QMG7/S, AV-21QMG7B/G	**AV-21Q17**	**AV-2100QE, AV-21Q17/L**
Dimensions (W × H × D)		64.9cm × 48.7 cm × 35.1 cm		
Mass		21 kg		
TV RF System		B/G, I, D/K, M	B/G, I, D/K	
Colour System	TV Mode	PAL, SECAM, NTSC 3.58 / NTSC 4.43	PAL, SECAM	
	Video Mode	PAL, SECAM, NTSC 3.58 / NTSC 4.43		
Receiving Frequency	VHF Low VHF High UHF CATV	46.25 MHz to 140.25 MHz 147.25 MHz to 423.25 MHz 431.25 MHz to 863.25 MHz Mid (X to Z+2, S1 to S10) / Super (S11 to S20) / Hyper (S21 to S41) bands		
Intermediate Frequency	VIF	38.0 MHz (B/G, I, D/,K,M)		
	SIF	32.5 MHz (5.5 MHz: B/G) 32MHz (6.0 MHz: I) 31.5MHz (6.5 MHz: D/K) 33.5MHz (4.5 MHz: M)		
Colour Sub Carrier	PAL SECAM NTSC	4.43 MHz 4.40625 MHz / 4.25 MHz 3.58 MHz / 4.43 MHz		
Power Input		AC110 V to AC240 V, 50 Hz / 60Hz		AC160 V to AC240 V, 50 Hz / 60Hz
Power Consumption		88 W (Max) / 99 W(Avg)		
Picture Tube		Visible size: 52 cm measured diagonally (H : 41.6 cm × V : 31.5 cm)		
High Voltage		24.5 kV±1.5 kV (at zero beam current)		
Speaker		6.5cm × 13cm , Oval type × 2		
Audio Power Output		3 W (monaural)		
Aerial Input Terminal		75 Ω unbalanced, coaxial		
Input Terminal [Front / Rear]	Video Audio	1 V(p-p), 75 Ω, negative sync, RCA pin jack × 2 500 mV(rms) (-4 dBs), High impedance, RCA pin jack × 2		
Output Terminal [Rear]	Video Audio	1 V(p-p), 75Ω, RCA pin jack × 1 500 mV(rms) (-4 dBs), Low impedance, RCA pin jack × 1		
Headphone Jack		3.5 mm mini jack × 1		
Remote Control Unit		RM-C1150 (Battery size : AA / R6 / UM-3 × 2)		

Design and specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

(5) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).

(6) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.

(7) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.

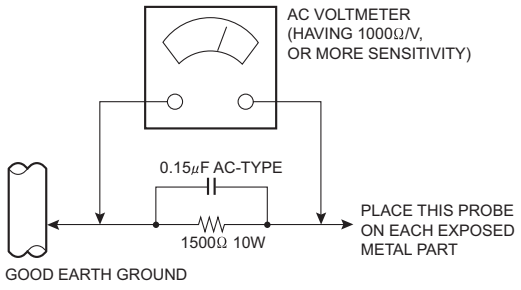
(8) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(9) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

PICTURE MODE

This function can adjust the picture settings automatically. There are USER, VIVID and SOFT in the PICTURE MODE.

RETURN +

This function can set a channel you frequently view to the Return Channel and you can view that channel at any time with one-touch.

CHILD LOCK

Use this function to prevent children from operating the TV without parental consent.

VNR

This function can reduce the picture noise.

2.2 MAIN DIFFERENCE LIST

Item	AV-2100QE	AV-21Q17	AV-21Q17/L	AV-21QMG7/G	AV-21QMG7/S	AV-21QMG7B/G
Language	Eng, Rus, Ukr	Eng, Chi, Rus, Mal, Ind	←	Eng, Ara, Per, Fre, Rus	←	←
Power voltage	AC160-240V	AC110-240V	AC160-240V	AC110-240V	←	←
Cabinet colour	Silver	←	←	←	←	Black
Main PWB	SCQ-1403A-H2	SCQ-1402A-H2	SCQ-1407A-H2	SCQ-1401A-H2	SCQ-1408A-H2	SCQ-1401A-H2

2.3 TECHNINAL INFORMATION

2.3.1 MAIN MI-COM (CPU) PIN FUNCTION

Pin No.	Pin name	I/O	Function	Pin No.	Pin name	I/O	Function
1	NC	-	Not used	33	SIF-IN	I	SIF signal
2	NC	-	Not used	34	DC NF	-	Not used
3	KEY	I	Key scan for front key	35	PIF PLL	-	Not used
4	GND	-	GND for Power supply	36	IF-VCC(5V)	I	Vcc (5V supply) IF circuit
5	RESET	I	Reset	37	S-Reg	-	Not used
6	X-TAL	O	System clock oscillation	38	AUD MON 1	O	Audio signal for output terminal
7	X-TAL	I	System clock oscillation	39	IF AGC	-	Not used
8	TEST	-	Not used	40	IF GND	-	GND for IF circuit
9	5V	I	Vdd (5V supply)	41	SAW	I	IF signal
10	GND	-	GND for Slice circuit	42	SAW	I	IF signal
11	GND	-	GND for Def block	43	RE AGC	O	RF AGC control level
12	FBP	I	FBP	44	BLACK DET	-	Not used
13	H-OUT	O	Horizontal driving pulse	45	MONITOR-OUT	O	Video signal for output terminal
14	H-AFC	I	Connected capacitor for H. AFC filter	46	APC FIL	-	Not used
15	V-SAM	-	Not used	47	5V	I	Vcc (5V supply) Y/C circuit
16	V-OUT	O	Vertical driving pulse	48	SYNC-OUT	-	Not used
17	A_VCC 8V	I	Vcc (8V supply) Def,RGB,Audio out and PIF	49	VCC 3.3V	-	Vcc for Digital block
18	GND	-	GND for TV block	50	R-OUT	O	Red signal
19	Cb	-	Not used	51	G-OUT	O	Green signal
20	Y-IN	-	Not used	52	B-OUT	O	Blue signal
21	Cr	-	Not used	53	GND	-	GND for digital block
22	EXT AUDIO 1	I	Audio signal 1	54	GND	-	GND for Oscillation circuit
23	V3	I	Video signal	55	5V	-	Vdd (5V supply) for Oscillation circuit
24	V2	I	Video signal	56	POWER ON/OFF	O	Main power control (Hi:Power ON Low:Off)
25	ALC FILTER	-	Not used	57	SADA 1	I/O	I^2C bus serial data In/Out
26	TV-INC(Vp-p)	I	Video signal (input level = 1Vp-p)	58	SCL 1	I	I^2C bus serial clock
27	ABCL-IN	I	ABL control	59	PROTECT	I	B1 voltage detection (Hi:OK Low:NG)
28	AUDIO-OUT1	O	Audio signal	60	3.58/OTH	O	NTSC 3.58 detection (Hi:Detect)
29	AUDIO-OUT2	-	Not used	61	A-MUTE	I	Audio muting (Hi:Mute)
30	TV-OUT	O	Video (Detected PIF signal)	62	NC	-	Not used
31	SIF-OUT/AUD MON OUT 2	O	Audio (Detected SIF signal)	63	REMOT	I	Remote control
32	EXT AUDIO 2	I	Audio signal 2	64	POWER LED	O	Lighting for power LED (Hi:Off Low:ON)

SECTION 3
DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

3.1.1 REMOVING THE REAR COVER

- Unplug the power cord.
  (1) Remove the 9 screws **[A]** and 1 screw **[B]** as shown in Fig.1.
  (2) Withdraw the REAR COVER toward you.

CAUTION:

When reinstalling the rear cover, carefully push it inward after inserting the MAIN PWB into the REAR COVER groove.

3.1.2 REMOVING THE MAIN PW BOARD

- Remove the REAR COVER.
  (1) Slightly raise the both sides of the MAIN PWB by hand.
  (2) Withdraw the MAIN PWB backward.
  (If necessary, take off the wire clamp and connectors, etc.)

3.1.3 REMOVING THE SPEAKER

- Remove the REAR COVER.
  (1) Remove the 2 screws **[C]**.
  (2) Withdraw the SPEAKER toward you.
  (3) Follow the same steps when removing the other hand SPEAKER.

3.1.4 REMOVING THE CHOKE COIL

- Remove the REAR COVER.
  (1) Remove the 2 screws **[D]**.
  (2) Withdraw the CHOKE COIL.

3.1.5 CHECKING THE MAIN PW BOARD

- To check the solder side of the MAIN PWB.
  (1) Pull out the MAIN PWB. (Refer to REMOVING THE MAIN PW BOARD).
  (2) The MAIN PW BOARD turns the front side down and erect it so that you can easily check its solder side.

CAUTIONS:

- Before turning on power, make sure that the CRT earth wire and other connectors are properly connected.
- When repairing, connect the DEG. COIL to the DEG. connector on the MAIN PWB.

3.1.6 WIRE CLAMPING AND CABLE TYING

(1) Be sure to clamp the wire.
(2) Never remove the cable tie used for tying the wires together.
Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

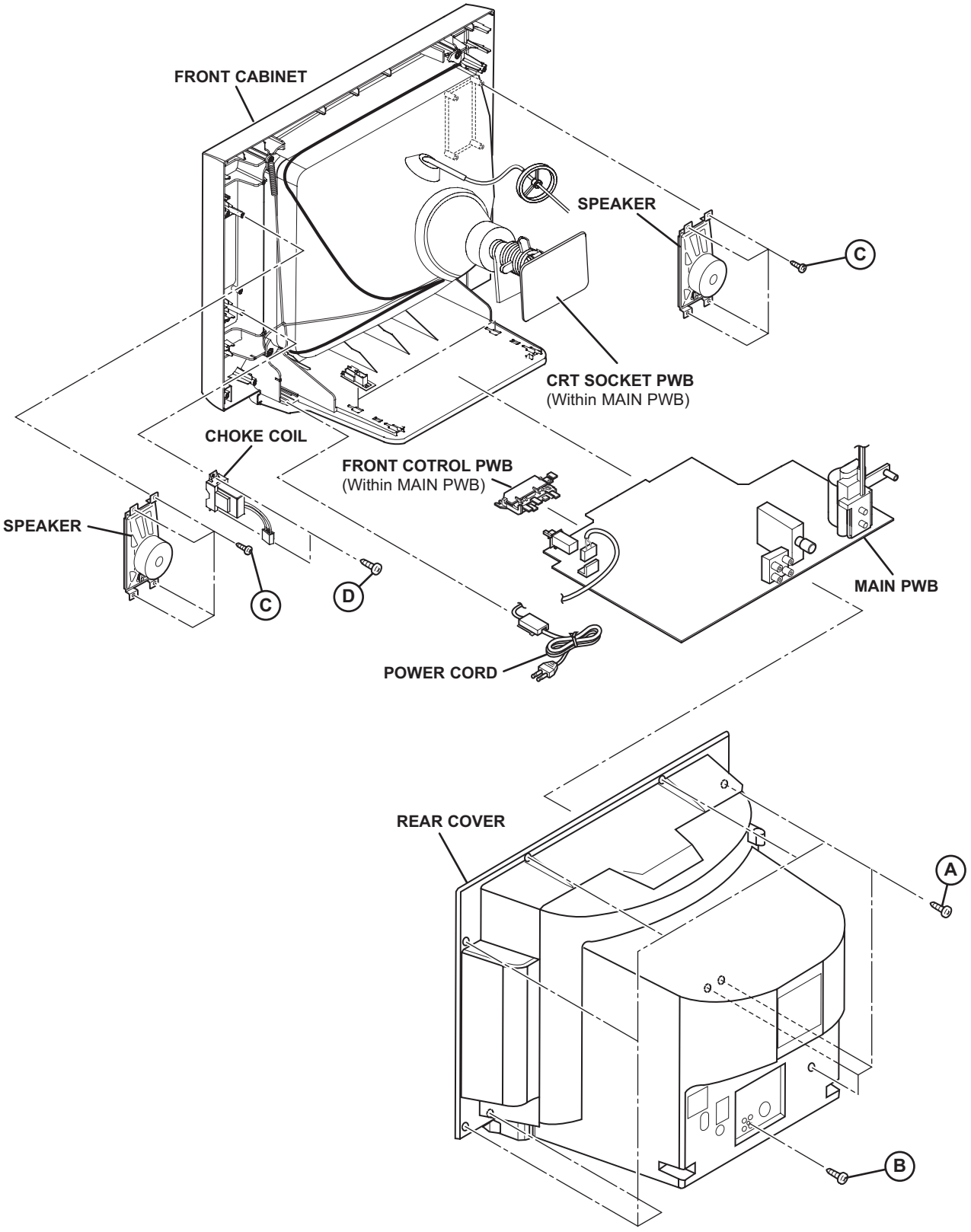

FRONT CABINET
SPEAKER
C
CRT SOCKET PWB
(Within MAIN PWB)
CHOKE COIL
FRONT COTROL PWB
(Within MAIN PWB)
SPEAKER
C
D
MAIN PWB
POWER CORD
REAR COVER
A
B

Fig.1

3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.2.1 MEMORY IC REPLACEMENT PROCEDURE

1. Power off
Switch off the power and disconnect the power plug from the AC outlet.

2. Replace the memory IC
Be sure to use the memory IC written with the initial setting values.

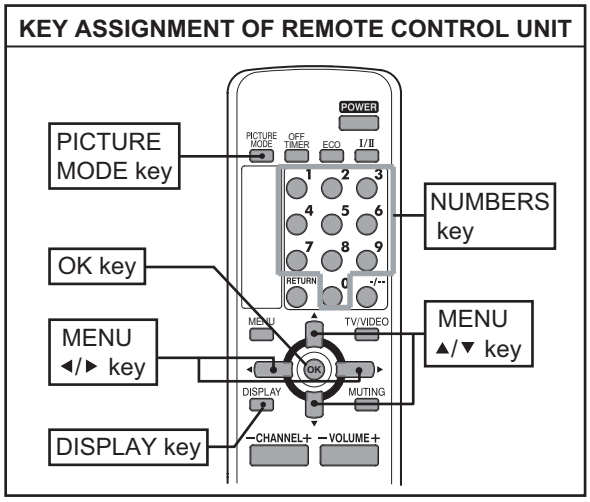
3. Power on
Connect the power plug to the AC outlet and switch on the power.

4. System constant check and setting
- It must not adjust without adjustment signals.
  (1) Press the **[DISPLAY]** key and the **[PICTURE MODE]** key of the REMOTE CONTROL UNIT simultaneously.
  (2) The SERVICE MENU screen of Fig. 1 will be displayed.
  (3) While the SERVICE MENU is displayed, again press the **[DISPLAY]** key and the **[PICTURE MODE]** key simultaneously, and the SYSTEM CONSTANT SET screen of Fig. 2 will be displayed.
  (4) Check the setting values of the SYSTEM CONSTANT SETTING. If the value is different, select the setting item with the **[MENU ▲/▼]** key, and set the correct value with the **[MENU - / +]** key.
  (5) Press the **[DISPLAY]** key twice, and return to the normal screen.

5. Receiving channel setting
Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

6. User settings
Check the user setting items according to the given in page later.
Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

7. SERVICE MENU setting
Verify what to set in the SERVICE MENU, and set whatever is necessary (Fig.1).
Refer to the SERVICE ADJUSTMENT for setting.



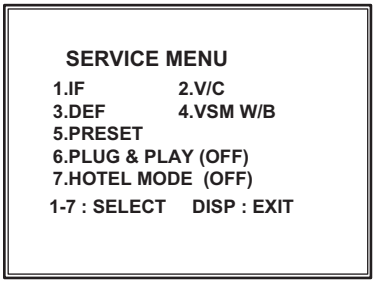


Fig.1

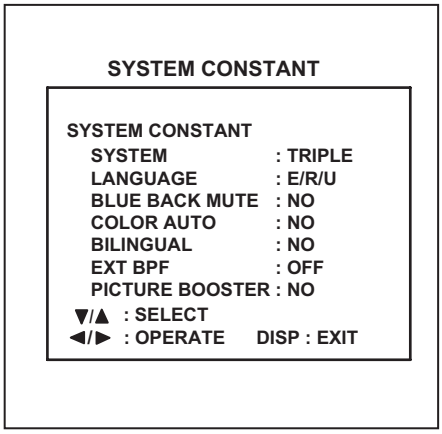


Fig.2

3.2.2 SETTINGS OF FACTORY SHIPMENT

3.2.2.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	PR1
VOLUME	15

3.2.2.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
CHANNEL	PR1
VOLUME	15
TV/VIDEO	TV
PICTURE MODE	VIVID

3.2.2.3 REMOTE CONTROL MENU OPERATION

(1) MENU-1

Setting item	Setting position
PICTURE SETTING	CENTRE
WHITE BALANCE	COOL
ECO MODE	OFF
ON TIMER	PR1 0:00
OFF TIMER	OFF

(2) MENU-2

Setting item	Setting position
AI VOLUME	OFF
CHILD LOCK	OFF
BLUE BACK	ON
VNR	AUTO

(3) MENU-3

Setting item	Setting position
LANGUAGE	ENGLISH
COLOUR SYSTEM	PAL
SOUND SYSTEM	B/G

3.2.3 SYSTEM CONSTANT SETTING

Setting item	Setting value					
	AV-2100QE	AV-21Q17/L	AV-21Q17	AV-21QMG7/G	AV-21QMG7B/G	AV-21QMG7/S
SYSTEM	TRIPLE	←	←	MULTI	←	←
LANGUAGE	Eng,Rus,Ukr	Eng,Chi,Rus,Mal,Ind	←	Eng,Ara,Per,Fre,Rus	←	←
BLUE BACK MUTE	NO	←	←	←	←	YES
COLOUR AUTO	NO	←	←	YES	←	←
BILINGUAL	NO	←	←	←	←	←
EXT BPF	OFF	B/G	←	←	←	←
PICTURE BOOSTER	NO	←	←	←	←	←

3.2.4 SERVICE MENU SETTING ITEMS

Setting item	Setting value	Setting item	Setting value
1. IF	1.VCO 2.DELAY POINT	4. VSM/WB	CONT. BRIGHT SHARP COLOUR TINT WDR G WDR B
2. V/C	1.CUTOFF (R/B/G) 2.WRD (G/B) 3.BRIGHT (TV/VDO 1,2) 4.CONT. (TV/VDO 1,2) 5.COLOUR (TV/VDO 1,2) 6.TINT (TV/VDO 1,2) 7.SHARP (TV/VDO 1,2) 8.Y DELAY (TV/VDO 1,2) 9.VNR STATUS(AUTO)		
3. DEFLECTION	1.VER POS 2.VER SIZE 3.VER LIN 4.HOR POS 5.HOR BOW 6.HOR PARA 7.VER BLK 8.VER CENT 9.V.S-CR 10.HOR SIZE 11.EW PIN 12.TRAPEZ 13.COR-UP 14.COR-LO 15.HOR EHT 16.VER EHT	5. PRESET **[Do not adjust]**	1.OVER MOD 2. N BUZZ 3.S TARP A 4. S TRAP F0 5.STRAP Q 6.SHARP GD 7.S. TRAP HP/LP 8.AF AMP SPEED 9.PIF FREQ 10.AU MON 11.ALC

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.3.2 SOLDERING IRON

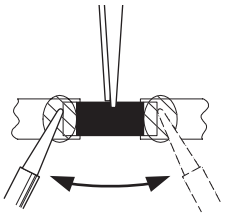
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

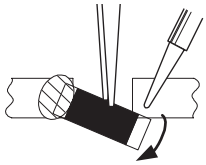
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



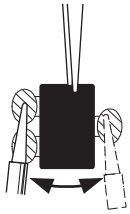
(2) Shift with the tweezers and remove the chip part.



[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.

(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



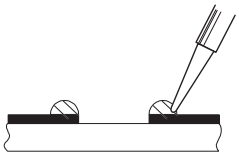
NOTE :

After removing the part, remove remaining solder from the pattern.

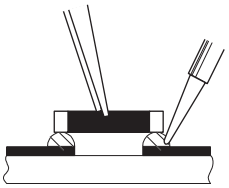
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

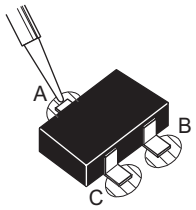


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

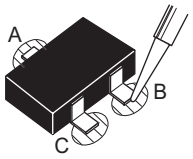


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

(1) **There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.**
(2) **The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.**
(3) Make sure that connection is correctly made AC to AC power source.
(4) Turn on the power of the TV and measuring instruments for warming up for at least 30 minutes before starting adjustments.
(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
(6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENT

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Item	Preset value
PICTURE MODE	VIVID
PICTURE SETTING FOR USER MODE	Centre
VNR	OFF
BLUE BACK	OFF
OFF TIMER	OFF

4.3 MEASURING INSTRUMENT AND FIXTURES

(1) DC voltmeter (or digital voltmeter)
(2) Oscilloscope
(3) Signal generator
(Pattern generator : PAL / SECAM / NTSC)
(4) Remote control unit
(5) High voltmeter (with 1000MΩ input impedance)

4.4 ADJUSTMENT ITEMS

■ **CHECK ITEM**
- B1 VOLTAGE check
- HIGH VOLTAGE check

■ **TUNER / IF CIRCUIT**
- IF VCO adjustment
- DELAY POINT adjustment

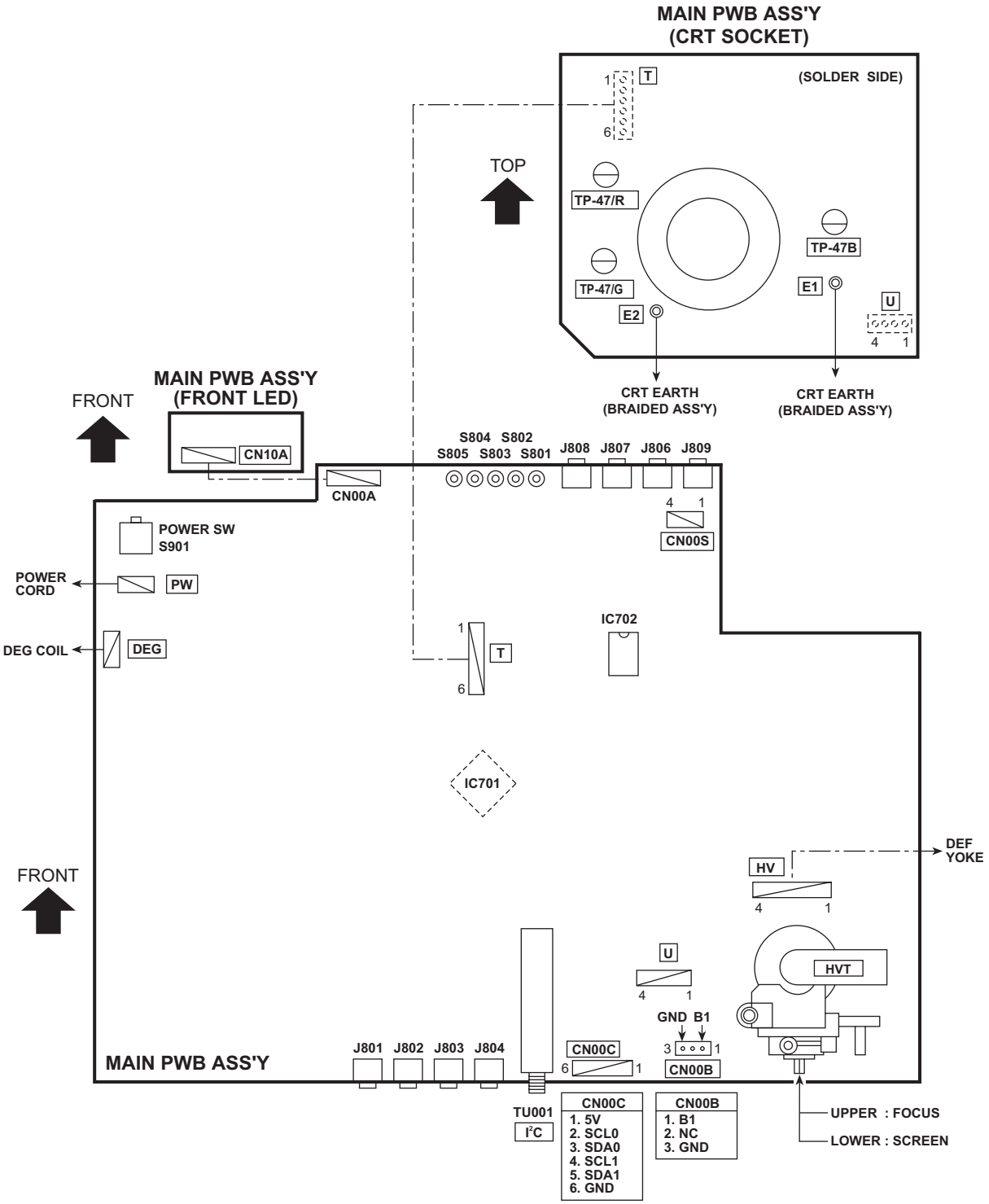
■ **FOCUS**
- FOCUS adjustment

■ **DEFLECTION CIRCUIT**
- V.POSITION adjustment
- V.SIZE adjustment
- V.LINEARITY adjustment
- V.S-CURVE adjustment
- H.POSITION adjustment
- H.BOW adjustment
- H.PARALLEL adjustment
- H. SIZE adjustment
- SIDE PIN adjustment
- TRAPEZIUM adjustment
- CORNER PIN adjustment

■ **VIDEO CIRCUIT**
- WHITE BALANCE adjustment
- SUB BRIGHT adjustment
- SUB CONTRAST adjustment
- SUB COLOUR adjustment
- SUB TINT adjustment

■ **VSM/WB SETTING**
- VSM adjustment

4.5 ADJUSTMENT LOCATIONS



4.6 BASIC OPERATION OF SERVICE MENU

4.6.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

4.6.2 SERVICE MENU ITEMS

With the SERVICE MENU, various adjustments can be made, and they are broadly classified in the following items of settings.

1.IF	Adjustment of the IF circuits.
2.V/C	Adjustment of the VIDEO circuit.
3.DEF	Adjustment of the DEFLECTION circuit.
4.VSM/WB	Adjustment of the initial setting values of VSM condition as SOFT and USER.
5.PRESET	Adjustment of the RF circuit **[Do not adjust]**.

4.6.3 HOW TO ENTER THE SERVICE MENU

Press the **[DISPLAY]** key and the **[PICTURE MODE]** key of the REMOTE CONTROL UNIT simultaneously. Then enter the SERVICE MENU mode as shown in Fig.1.

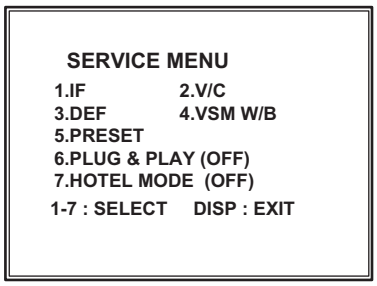
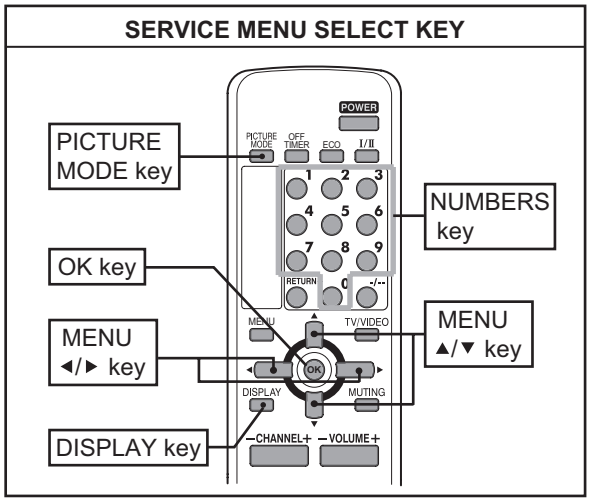


Fig.1



4.6.4 HOW TO STORE OF SETTING VALUE

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys.

4.6.5 HOW TO EXIT THE SERVICE MENU

Press the **[DISPLAY]** key from the state of SERVICE MENU.

4.6.6 METHOD OF SETTING

■ **1. IF**

[1. VCO]

(1) **[1]** key	Select **1. IF**.
(2) **[1]** key	Select **1. VCO**. Check the arrow position between the ABOBE REF. and BELOW REF.
(4) **[DISPLAY]** key	As you press this key twice, you will return to the **SERVICE MENU**.

[2. DELAY POINT]

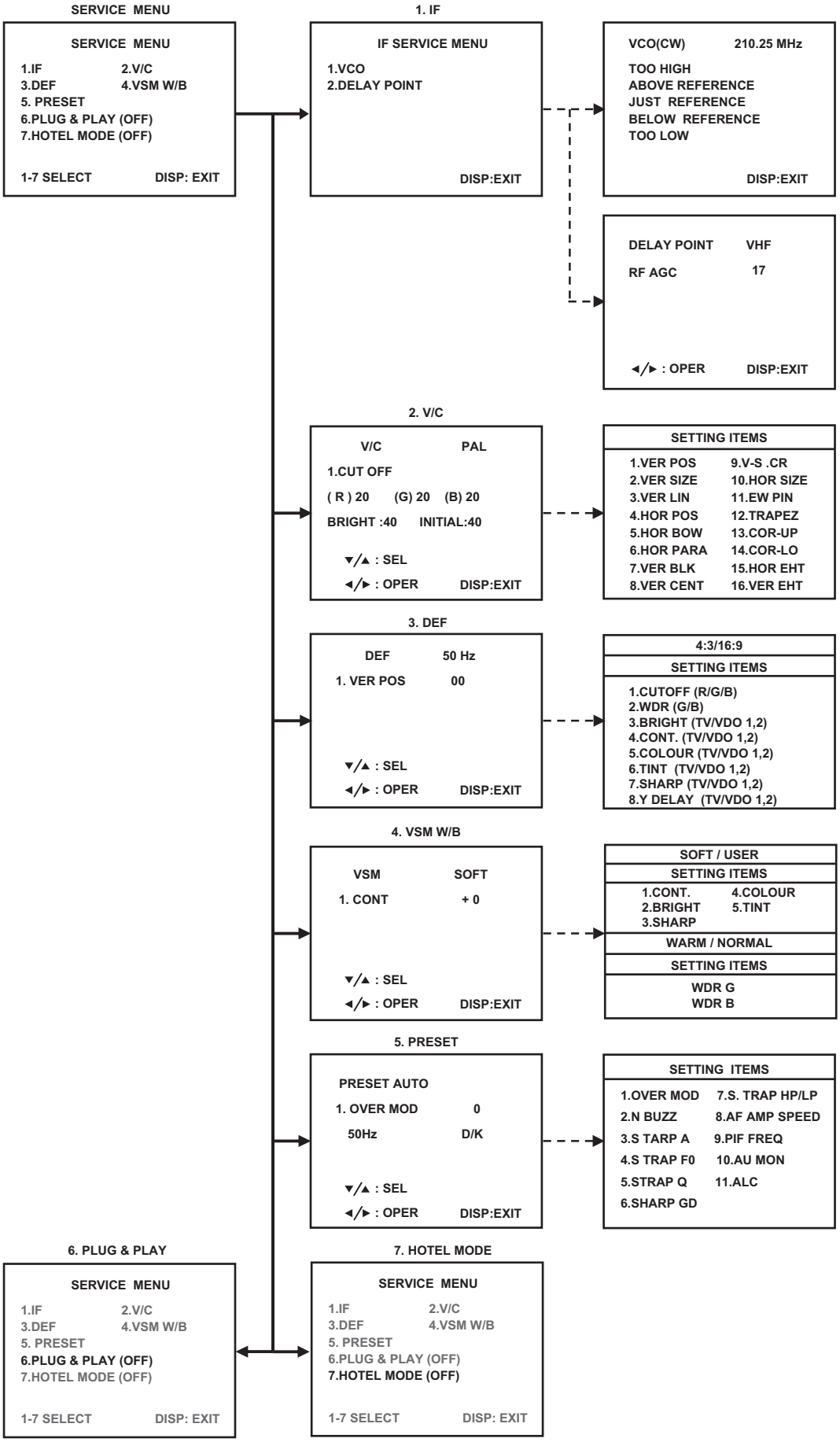
(1) **[1]** key	Select **1. IF**.
(2) **[2]** key	Select **2. DELAY POINT**.
(3) **[MENU ◀ / ▶]** keys	Set (adjust) the setting values of the setting items.
(4) **[DISPLAY]** key	When this is pressed twice, you will return to the **SERVICE MENU**.

■ **2. V/C, 3. DEF and 4. VSM W/B**

(1) **[2]** to **[4]** keys	Select one from **2. V/C**, **3. DEF** and **4. VSM W/B**.
(2) **[MENU ▲/▼]** keys	Select setting items.
(3) **[MENU ◀ / ▶]** keys	Adjust the values of the items.
(4) **[DISPLAY]** key	When this is pressed, you will return to the **SERVICE MENU**.

■ **5. PRESET (Do not adjust)**

4.6.7 SERVICE MENU FLOW CHART



4.7 INITIAL SETTING VALUE OF SERVICE MENU

- **Adjustment of the SERVICE MENU is made on the basis of the initial setting values ; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.**
- **Do not change the initial Setting Values of the Setting (Adjustment) items not listed in "ADJUSTMENT PROCEDURE".**
- **The " --- " means adjustment is not possible.**
- **" * " is variable values for adjustment and other value variable when have problem only.**

[2. V/C] (Values for adjustment indicate in hexadecimal number.)

[AV-2100QE, AV-21Q17, AV-21Q17/L]

Setting item		Variable range	Initial setting value			
			PAL	SECAM	NTSC 3.58	NTSC 4.43
1.CUT OFF	R	00 - FF	20*			
	G	00 - FF	20*			
	B	00 - FF	20*			
2.WDR	G	00 - FF	40*			
	B	00 - FF	40*			
3.BRIGHT	RF	00 - (+127)	+65*			
	VIDEO-1	(-128) - (+127)	-01			
	VIDEO-2	(-128) - (+127)	00			
4.CONT.	RF	00 - (+127)	+107			
	VIDEO-1	(-128) - (+127)	+07			
	VIDEO-2	(-128) - (+127)				
5.COLOUR	RF	00 - (+127)	+67	+64	---	---
	VIDEO-1	(-128) - (+127)	-02	-6	-01	+08
	VIDEO-2	(-128) - (+127)				
6.TINT	RF	00 - (+127)	+67	+65	---	---
	VIDEO 1/2	(-128) - (+127)	-02	-03	+07	+6
7.SHARP	RF	00 - (+63)	+40		+40	+40
	VIDEO 1/2	00 - (+63)	+45		+40	+45
8.Y DELAY	RF	00 - 07	03	01	02	00
	VIDEO 1/2	00 - 07	02	00	00	05
9.VNR STATUS	RF	---	---			
	VIDEO 1/2	---				

[AV-21QMG7/G, AV-21QMG7/S, AV-21QMG7B/G]

Setting item		Variable range	Initial setting value			
			PAL	SECAM	NTSC 3.58	NTSC 4.43
1.CUT OFF	R	00 - FF	20*			
	G	00 - FF	20*			
	B	00 - FF	20*			
2.WDR	G	00 - FF	40*			
	B	00 - FF	40*			
3.BRIGHT	RF	00 - (+127)	+65*			
	VIDEO-1	(-128) - (+127)	-01			
	VIDEO-2	(-128) - (+127)	-00			
4.CONT.	RF	00 - (+127)	+107			
	VIDEO-1	(-128) - (+127)	+07			
	VIDEO-2	(-128) - (+127)				
5.COLOUR	RF	00 - (+127)	+67	+64	+69	+06
	VIDEO-1	(-128) - (+127)	-02	-06	-01	+08
	VIDEO-2	(-128) - (+127)				
6.TINT	RF	00 - (+127)	+67	+65	+57	+04
	VIDEO 1/2	(-128) - (+127)	-02	-03	+07	+06
7.SHARP	RF	00 - (+63)	+40		+40	+40
	VIDEO 1/2	00 - (+63)	+45		+40	+45
8.Y DELAY	RF	00 - 07	03	01	02	00
	VIDEO 1/2	00 - 07	02	00	00	05
9.VNR STATUS	RF	---	---			
	VIDEO 1/2	---				

[3. DEFLECTION] (Values for adjustment indicate in hexadecimal number.)

Setting item	Variable range		Initial setting value	
	50Hz	60Hz	50Hz	60Hz
1.VER. POS	00 - 0F	00 - 0F	00	00
2.VER. SIZE	00 - 3F	C0 - 3F	2A*	00*
3. VER LIN	00 - 1F	E0 - FF	0D*	00*
4. HOR POS	00 - 1F	E0 - FF	0A*	03*
5. HOR BOW	00 - 07		03*	03*
6. HOR PARA	00 - 07		03*	03*
7. VER BLK	00 - 0F		04	04
8. VER CENT	00 - 3F		21*	00*
9. V.S-CR	00 - 1F	E0 - 1F	19*	00*
10. HOR SIZE			30*	00*
11. EW-PIN			45*	00*
12. TRAPEZ			23*	00*
13. COR-UP			0A*	0A*
14. COR-LOW			0B*	0B*
15. H EHT			04	04
16. V EHT			04	04

[4. VSM/WB] (Values for adjustment indicate in hexadecimal number.)

Setting item	Variable range	Initial setting value	
		SOFT	USER
CONT.	80 - 7F	DF	00
BRIGHT	80 - 7F	00	00
SHARP	80 - 7F	FA	00
COLOUR	80 - 7F	00	00
TINT	80 - 7F	00	00

Setting item	Initial setting value	
	WARM	NORMAL
WDR G	F4	07
WDR B	EA	F9

[5. PRESET] (Do not adjust)

The items in the following table, it is no requirement for adjustment.If values had changed by the miss operation, set the initial setting values in the following table.

Setting item	Variable range	Initial setting value			
		M	B/G	I	D/K
1. OVER MOD	00 - 01	00			
2. N BUZZ	00 - 01	01			
3. S TRAP A	00 - 01	00	00	00	00
4. S TRAP F0	00 - 0F	08	06	08	08
5. S TRAP Q	00 - 03	02	02	02	01
6. S TRAP GD	00 - 03	01	00	00	00
7. S TRAP HP/LP	00 - 03	00	00	00	00
8. AF AMP SPEED	00 - 01	00			
9. PIF FREQ	00 - 03	00			
10. AU MOM	00 - 03	00			
11. ALC	FC - FF	FF			

[6.PLUG & PLAY]

Setting of the last memory for shipment to “ON”.

When this mode is ON, the TV can be turned on/off power by connecting/disconnecting the AC plug into AC outlet.

[7.HOTEL MODE]

Setting of the last memory for shipment to “OFF”.

When this mode is ON, all keys except following ones are invalid.

[POWER / CHANNEL,VOLUME +- / 10KEY / MUTING / "TV/VIDEO" / OFF TIMER / "-/--" / DISPLAY]

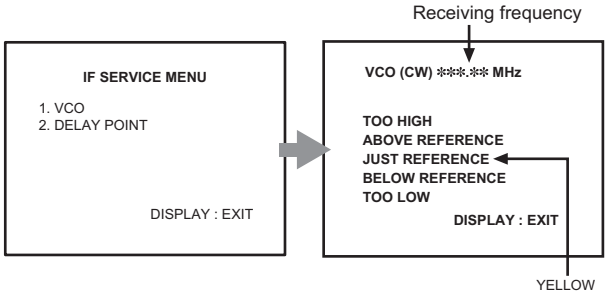
4.8 ADJUSTMENT PROCEDURE

4.8.1 CHECK ITEM

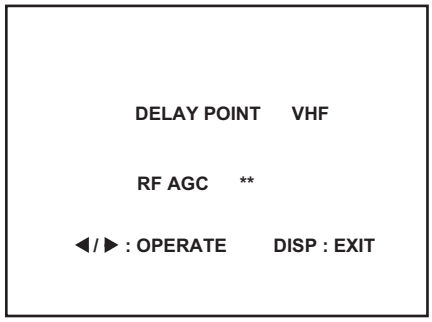
Item	Measuring instrument	Test point	Adjustment part	Description
B1 VOLTAGE	Signal generator DC voltmeter	TP-B1 : 1-pin TP-E : 5-pin (S1 connector) [MAIN PWB]		(1) Receive a whole black signal. (2) Connect a DC voltmeter to 1-pin and 5-pin of S1 connector. (3) Make sure that the voltage is **DC115.2V±2.0V**.
HIGH VOLTAGE	HV voltmeter Signal generator	CRT anode Chassis GND		(1) Receive any broadcast. (2) Connect the earth clip of High voltmeter to chassis GND. (3) Connect the probe of High voltmeter to CRT anode. (4) Make sure that the voltage is **DC24.5kV ±1.5kV**. **NOTE:** • Remove the probe before removing the earth clip.

4.8.2 TUNER / IF CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
IF VCO	Remote control unit		[1.IF] 1.VCO	• Under normal conditions, no adjustment is required. • Confirmation adjustment. (1) Select 1.IF from the SERVICE MENU. (2) Select **<1.VCO>** (3) Receive any broadcast. (4) Check the ←(Arrow) position between the ABOVE REF. and BELOW REF.



Item	Measuring instrument	Test point	Adjustment part	Description
DELAY POINT (AGC)	Signal generator Remote control unit		[1. IF] 2. DELAY POINT (AGC TAKE-OVER)	(1) Receive a black and white signal (colour off). (2) Select 1. IF. (3) Select **<2. DELAY POINT>**. (4) Set the setting values of the setting items as shown bellow table. (5) Adjust the **[MENU ◀ / ▶]** keys until video noise disappears. (6) Turn to other channels and make sure that there are no irregularities.



Setting Item		Variable range	Initial setting value
DELAY POINT (AGC TAKE-OVER)	NTSC3.58	0 - 127	17
	OTHER		17

4.8.3 FOCUS

Item	Measuring instrument	Test point	Adjustment part	Description
FOCUS	Signal generator		FOCUS VR [In HVT]	(1) Receive a crosshatch signal. (2) While looking at the screen center, adjust the **FOCUS VR** to make the vertical and horizontal lines as fine and sharp as possible. (3) Make sure that when the screen is darkened, the lines remain in good focus.

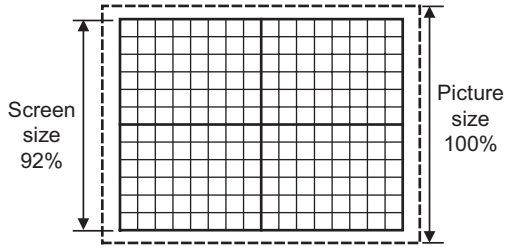
4.8.4 DEFLECTION CIRCUIT

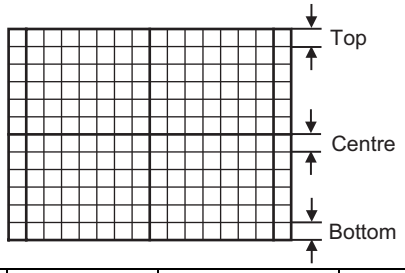
- There are 2 modes of adjustment (setting value) 50Hz mode and 60Hz mode, depending upon the kind of signals (vertical frequency 50Hz / 60Hz).
- When adjusted in 50Hz mode and 60Hz mode will be automatically set.
  The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values.The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- Make sure that the adjustment is properly done on the screen of 60Hz mode.

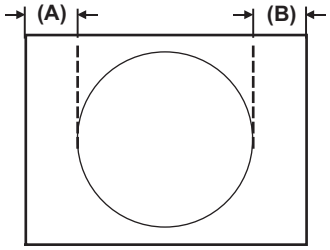
NOTE:

- Adjust to make both 50Hz & 60Hz are the same V. size and fine straight line.
- When adjust again, adjust 50Hz mode first.
- When adjust in 60Hz mode, only 60Hz mode is adjust.

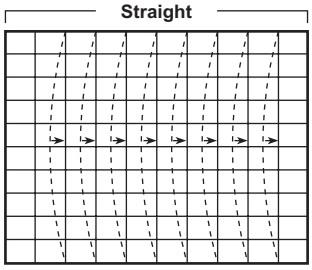
<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>V. POSITION /
V. SIZE</td><td>Signal generator

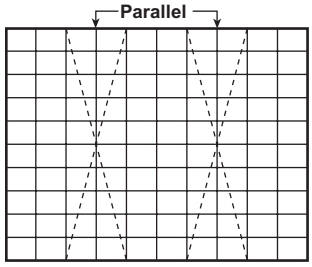
Remote control unit</td><td></td><td>[3. DEF]
1. VER. POS
2. VER. SIZE</td><td rowspan="2">(1) Receive a crosshatch signal.
(2) Select 3. DEF from the SERVICE MENU.
(3) Select <1. VER. POS>.
(4) Set the initial setting value of <1. VER. POS>.
(5) Adjust <1. VER. POS> to make the vertical centre fall on the display centre.
(6) Select <2. VER. SIZE>.
(7) Set the initial setting value of <2. VER. SIZE>.
(8) Adjust <2. VER. SIZE> to make the vertical screen size be 92% of the picture size.</td></tr>
<tr><td colspan="4"> 
</td></tr>
<tr><td>V.LINEARITY /
V-S.CURVE</td><td>Signal generator

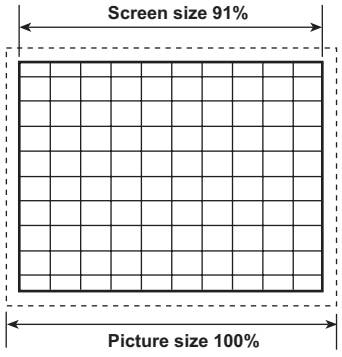
Remote control unit</td><td></td><td>[3. DEF]
3. VER. LIN.
9. V.S-CR</td><td rowspan="2">• If the vertical linearity is noticeably deteriorated, perform the following steps.
(1) Receive a crosshatch signal.
(2) Select 3. DEF from the SERVICE MENU.
(3) Select <3. VER. LIN.>.
(4) Set the initial setting value of <3. VER. LIN.>.
(5) Select <9. V.S-CR>.
(6) Set the initial setting value of <9. V.S-CR>.
(7) Adjust <3. VER. LIN.> and <9. V.S-CR> so that the space of upper and lower lines on TOP, CENTRE and BOTTOM become uniform.</td></tr>
<tr><td colspan="4"> 
</td></tr>
<tr><td>H. POSITION</td><td>Signal generator

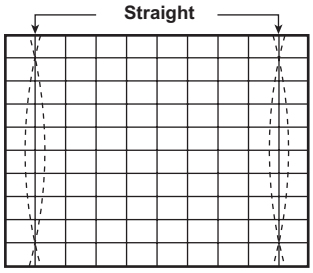
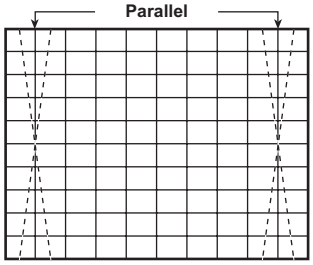
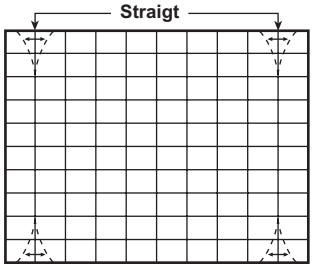
Remote control unit</td><td></td><td>[3. DEF]
4. HOR. POS</td><td rowspan="2">(1) Receive a circle pattern signal.
(2) Select 3. DEF from the SERVICE MENU.
(3) Select <4. HOR. POS>.
(4) Set the initial setting value of <4. HOR. POS>.
(5) Adjust <4.HOR. POS> to be equal the width of (A) and (B).</td></tr>
<tr><td colspan="4"> 
</td></tr>
</table>

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>H. BOW</td><td>Signal generator

Remote control unit</td><td></td><td>[4.DEF]
5. HOR BOW</td><td rowspan="2">(1) Receive a crosshatch signal.
(2) Select 4. DEF from the SERVICE MENU.
(3) Select <5. HOR BOW>.
(4) Set the initial setting value of <5. HOR BOW>.
(5) Adjust <5. HOR BOW> to straighten the vertical arc distortion.</td></tr>
<tr><td colspan="4"> 
</td></tr>
<tr><td>H. PARALLEL</td><td>Signal generator

Remote control unit</td><td></td><td>[4.DEF]
6. HOR PARA</td><td rowspan="2">(1) Receive a crosshatch signal.
(2) Select 4. DEF from the SERVICE MENU.
(3) Select <6. HOR PARA>.
(4) Set the initial setting value of <6. HOR PARA>.
(5) Adjust <6. HOR PARA> to straighten with parallel the trapezium distortion at the centre of the screen.</td></tr>
<tr><td colspan="4"> 
</td></tr>
<tr><td>H. SIZE</td><td>Signal generator

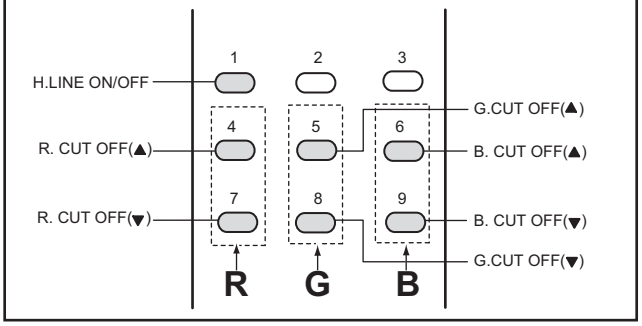
Remote control unit</td><td></td><td>[4.DEF]
10. H-SIZE</td><td rowspan="2">PAL H. SIZE
(1) Receive a PAL crosshatch signal.
(2) Select 4. DEF from the SERVICE MODE.
(3) Select <10. H-SIZE>.
(4) Set the initial setting value of <10. H-SIZE>.
(5) Adjust <10. H-SIZE> to make the horizontal screen size to 91% of the picture size.
(6) Press the [OK] key to memorize the set values.
NTSC H. SIZE
(1) Receive a NTSC crosshatch signal.
(2) Follow the same step 2 to 6 as in PAL H. SIZE.</td></tr>
<tr><td colspan="4"> 
</td></tr>
</table>

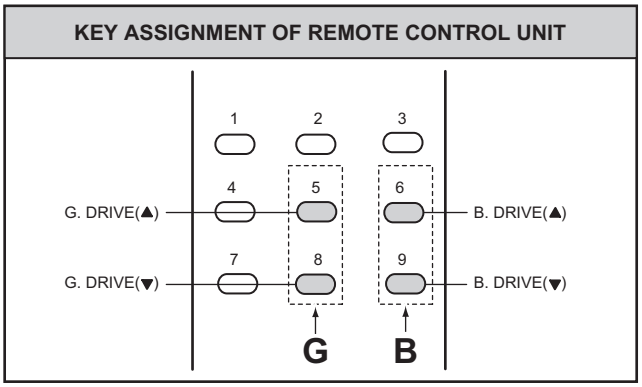
Item	Measuring instrument	Test point	Adjustment part	Description
SIDE PIN	Signal generator Remote control unit		[4. DEF] 11. EW-PIN	**PAL SIDE PIN** (1) Receive a PAL crosshatch signal. (2) Select **4. DEF** from the SERVICE MODE. (3) Select **<11. EW-PIN>**. (4) Set the initial setting value of **<11. EW-PIN>**. (5) Adjust **<11. EW-PIN>** so that the first vertical lines at the left and right edges on the screen are straight. (6) Press the **[OK]** key to memorize the set values. **NTSC SIDE PIN** (1) Receive a NTSC crosshatch signal. (2) Follow the same step 2 to 6 as in PAL SIDE PIN.
				
TRAPEZIUM	Signal generator Remote control unit		[4.DEF] 12. TRAPEZ	**PAL TRAPEZIUM** (1) Receive a PAL crosshatch signal. (2) Select **4. DEF** from the SERVICE MODE. (3) Select **<12. TRAPEZ>**. (4) Set the initial setting value of **12. TRAPEZ**. (5) Adjust **<12. TRAPEZ>** so that the vertical lines at the left and right edges on the screen are in parallel. (6) Press the **[OK]** key to memorize the set values. **NTSC TRAPEZIUM** (1) Receive a NTSC crosshatch signal. (2) Follow the same step 2 to 6 as in PAL TRAPEZIUM.
				
CORNER PIN	Signal generator Remote control unit		[4. DEF] 13. COR-UP 14. COR-LO	**PAL CORNER PIN** (1) Receive a PAL crosshatch signal. (2) Select **4. DEF** from the SERVICE MODE. (3) Select **<13. COR-UP>**. (4) Set the initial setting value of **<13. COR-UP>**. (5) Select **<14. COR-LO>**. (6) Set the initial setting value of **<14. COR-LO>**. (7) Adjust **<13. COR-UP>** and **<14. COR-LO>** so that the vertical lines at the four corners on the screen are straight. (8) Press the **[OK]** key to memorize the set values. **NTSC CORNER PIN** (1) Receive a NTSC crosshatch signal. (2) Follow the same step 2 to 8 as in PAL CORNER.
				

4.8.5 VIDEO CIRCUIT

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>WHITE BALANCE (LOW LIGHT)</td><td>Signal generator

Remote control unit</td><td></td><td>[2.V/C]
1. CUT OFF (R)
1. CUT OFF (G)
1. CUT OFF (B)

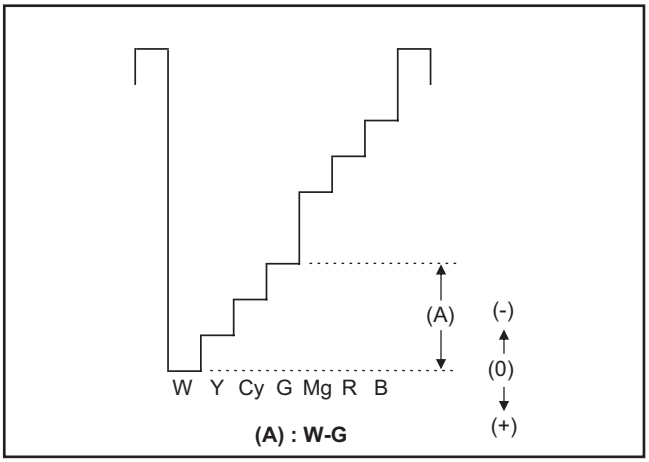
SCREEN VR
[IN HVT]</td><td rowspan="2">(1) Receive a 100% all white signal (colour off).
(2) Select 2. V/C from the SERVICE MENU.
(3) Select <1. CUT OFF>.
(4) Set the initial setting value of <1. CUT OFF>.
(5) Press the [1] key to show the single horizontal line on screen.
(6) Turn the SCREEN VR fully counter-clockwise, then slowly turn it clockwise to where one of a red, blue or green colour is faintly visible.
(7) Adjust the two colors which did not appear until the single horizontal line that is displayed becomes white using the [4] to [9] keys.
(8) Turn the SCREEN VR to where the single horizontal line glows faintly.
(9) Press the [1] key to turn off the single horizontal line.</td></tr>
<tr><td colspan="4">KEY ASSIGNMENT OF REMOTE CONTROL UNIT
 
</td></tr>
<tr><td>WHITE BALANCE (HIGH LIGHT)</td><td>Signal generator

Remote control unit</td><td></td><td>[2.V/C]
2. WDR (G)
2. WDR (B)</td><td rowspan="2">(1) Receive a 100% all white signal (colour off).
(2) Select 2. V/C from the SERVICE MENU.
(3) Select <2. WDR>.
(4) Set the initial setting value of <2. WDR>.
(5) Adjust the screen until it becomes white using the [5], [8], [6] and [9] keys.</td></tr>
<tr><td colspan="4">KEY ASSIGNMENT OF REMOTE CONTROL UNIT
 
</td></tr>
<tr><td>SUB BRIGHT</td><td>Remote control unit</td><td></td><td>[2. V/C]
3. BRIGHT</td><td>(1) Receive any broadcast.
(2) Select 2. V/C from the SERVICE MENU.
(3) Select <3. BRIGHT>.
(4) Set the initial setting value of <3. BRIGHT>.
(5) If the brightness is not the best with the initial setting value, make fine adjustment until you get the best brightness.</td></tr>
<tr><td>SUB CONTRAST</td><td>Remote control unit</td><td></td><td>[2. V/C]
4. CONT.</td><td>(1) Receive any broadcast.
(2) Select 2. V/C from the SERVICE MENU.
(3) Select <4. CONT>.
(4) Set the initial setting value of <4. CONT>.
(5) If the contrast is not the best with the initial setting value, make fine adjustment until you get the best contrast.</td></tr>
</table>

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td rowspan="2">SUB COLOUR</td><td>Remote control unit</td><td></td><td>[2. V/C]
5. COLOUR</td><td>[Method of adjustment without measuring instrument]
PAL COLOUR
(1) Receive a PAL broadcast.
(2) Select 2. V/C from the SERVICE MENU.
(3) Select <5. COLOUR>.
(4) Set the initial setting value of <5. COLOUR>.
(5) If the colour is not the best with the initial setting value, make fine adjustment until you get the best colour.
SECAM COLOUR
(1) Receive a SECAM broadcast.
(2) Make fine adjustment of SECAM COLOUR as previously.
NTSC 3.58 COLOUR
(1) Receive a NTSC 3.58MHz broadcast.
(2) Make similar fine adjustment of NTSC 3.58 COLOUR as previously.
NTSC 4.43 COLOUR
(1) When NTSC 3.58 adjustment completed, NTSC 4.43 will be automatically set at the respective values.</td></tr>
<tr><td>Signal generator

Oscilloscope

Remote control unit</td><td>TP-47R/G
TP-E
[CRT SOCKET PWB]</td><td>[2. V/C]
5. COLOUR</td><td>[Method of adjustment using measuring instrument]
PAL COLOUR
(1) Receive a PAL full field colour bar signal (75% white).
(2) Select 2. V/C from the SERVICE MENU.
(3) Select <5. COLOUR>.
(4) Set the initial setting value of <5. COLOUR>.
(5) Connect the oscilloscope to TP-47R/G and TP-E.
(6) Adjust PAL COLOUR to bring the value of (A) in the voltage table.
SECAM COLOUR
(1) Receive a SECAM full field colour bar signal (75% white).
(2) Set the initial setting value of SECAM COLOUR .
(3) Adjust SECAM COLOUR to bring the value of (A) in the voltage table.
NTSC 3.58 COLOUR
(1) Receive a NTSC 3.58 full field colour bar signal (75% white).
(2) Set the initial setting value of NTSC 3.58 COLOUR.
(3) Adjust NTSC 3.58 COLOUR to bring the value of (A) in the voltage table.
NTSC 4.43 COLOUR
(1) When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.</td></tr>
</table>



(A) : W-G

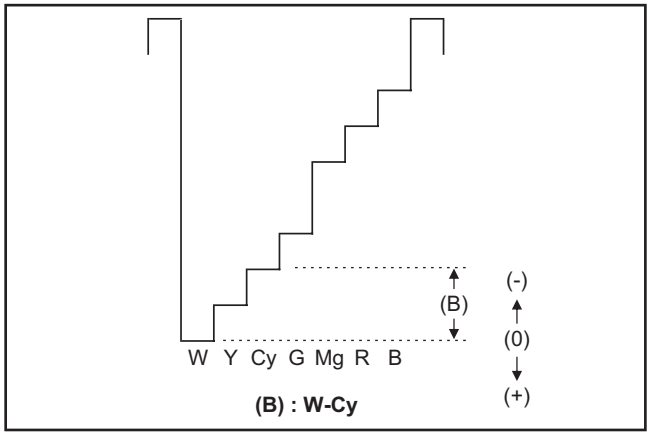
	Voltage setting (A)		
	PAL	**SECAM**	**NTSC3.58**
AV-21Q17 AV-21Q17/L AV-2100QE	**+18V**	**+16V**	**+17V (VDO)**
AV-21QMG7/G AV-21QMG7/S AV-21QMG7B/G	**+18V**	**+16V**	**+21V (RF)**

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td rowspan="2">SUB TINT</td><td>Signal generator

Remote control unit</td><td></td><td>[2. V/C]
6. TINT</td><td>[Method of adjustment without measuring instrument]
PAL TINT
(1) Receive a PAL broadcast.
(2) Select 2. V/C from the SERVICE MENU.
(3) Select <6. TINT>.
(4) Set the initial setting value of <6. TINT>.
(5) If you cannot get the best tint with the initial setting value, make fine adjustment until you get the best tint.
NTSC 3.58 TINT
(1) Receive a NTSC 3.58MHz broadcast.
(2) Make similar fine adjustment of NTSC 3.58 TINT as previously.
NTSC 4.43 TINT
(1) When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.</td></tr>
<tr><td>Signal generator

Oscilloscope

Remote control unit</td><td>TP-47R/G
TP-E
[CRT SOCKET PWB]</td><td>[2. V/C]
6. TINT</td><td>[Method of adjustment using measuring instrument]
PAL TINT
(1) Receive a PAL full field colour bar signal (75% white).
(2) Select 2. V/C from the SERVICE MENU.
(3) Select <6. TINT>.
(4) Set the initial setting value of <6. TINT>.
(5) Connect the oscilloscope to TP-47R/G and TP-E.
(6) Adjust PAL TINT to bring the value of (B) in the voltage table in the left.
NTSC 3.58 TINT
(1) Receive a NTSC 3.58 full colour bar signal (75% white).
(2) Set the initial setting value of NTSC 3.58 TINT.
(3) Adjust NTSC 3.58 TINT to bring the value of (B) in the voltage table in the left.
NTSC 4.43 TINT
(1) When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.</td></tr>
</table>



(B) : W-Cy

	Voltage setting (B)	
	PAL	**NTSC3.58**
AV-21Q17 **AV-21Q17/L** **AV-2100QE**	**+14V**	**+17V (VDO)**
AV-21QMG7/G **AV-21QMG7/S** **AV-21QMG7B/G**	**+14V**	**+15V (RF)**

4.8.6 VSM/WB SETTING

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>VSM/WB</td><td>Remote control unit</td><td></td><td>[4. VSM]
CONT.
BRIGHT
SHARP
COLOUR
TINT
WDR G
WDR B</td><td>(1) Select 4. VSM from the SERVICE MENU.
(2) Select PICTURE MODE to "SOFT".
(3) Select <CONT.>.
(4) Set the initial setting value of <CONT.> as shown in the below table.
(5) Select <BRIGHT> to <TINT> in turn, and set the values.
(6) Respectively select the "USER". Make similar adjustment as same step as above.
(7) Select WHITE BALANCE to "WARM".
(8) Select <WDR G>.
(9) Set the initial setting value of <WDR G> as shown in the below table.
(10) Select <WDR B>, and set the values.
(11) Respectively select the "NORMAL". Make similar adjustment as same step as above.

• VSM
<table>
<tr><th rowspan="2">Setting item</th><th colspan="2">Setting value</th></tr>
<tr><th>SOFT</th><th>USER</th></tr>
<tr><td>CONT.</td><td>DF</td><td>00</td></tr>
<tr><td>BRIGHT</td><td>00</td><td>00</td></tr>
<tr><td>SHARP</td><td>FA</td><td>00</td></tr>
<tr><td>COLOUR</td><td>00</td><td>00</td></tr>
<tr><td>TINT</td><td>00</td><td>00</td></tr>
</table>
• W/B
<table>
<tr><th rowspan="2">Setting item</th><th colspan="2">Setting value</th></tr>
<tr><th>WARM</th><th>NORMAL</th></tr>
<tr><td>WDR.G</td><td>F4</td><td>07</td></tr>
<tr><td>WDR.B</td><td>EA</td><td>F9</td></tr>
</table>
</td></tr>
</table>

SECTION 5
TROUBLESHOOTING

5.1 SELF CHECK FUNCTIONS

5.1.1 OUTLINE

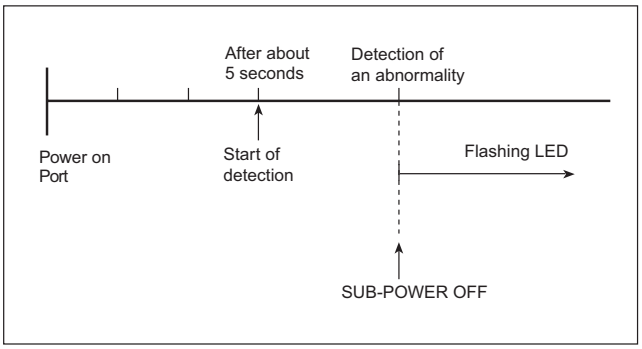
This model has self check functions given below. When an abnormality has been detected, the SUB POWER is turned off and POWER LED flashes to inform of the failure. An abnormality is detected by the signal input state of the control line connected to the microcomputer.

5.1.2 SELF CHECK ITEMS

Check item	Details of detection	Method of detection	State of abnormality
B1 over-current protection	An over-current on the low B1 line is detected.	The main microcomputer detects the possible abnormality at 24-msec. intervals and judges the results in every 16 time. Of the 16 times, if NG is detected more than 9 times, it is judged that there is an abnormality.	When an abnormality has been detected, the SUB-POWER is turned off. While the SUB-POWER is being turned off, the POWER key on the remote control unit is not operational until the power cord is disconnected and connected again.
CRT neck broken protection	Operation of CRT neck protection circuit.		

5.1.3 SELF CHECK INDICATING FUNCTION

When an abnormality has been detected at about 5 seconds after the power was turned on, the SUB POWER is turned off immediately and the POWER LED flashes.



[INDICATION BY THE POWER LED]

Item	LED flashing intervals
B1 over-current protection / CRT neck broken protection	0.3 seconds

JVC

Victor company of Japan, Limited
Display category 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

(No.YA552)

Printed in Japan
VPT

Preliminary

JVC

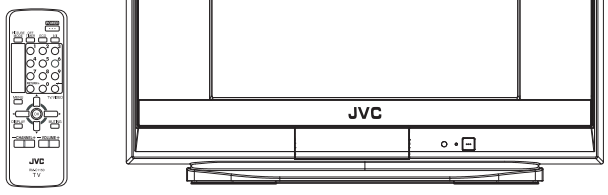
SCHEMATIC DIAGRAMS

COLOUR TELEVISION

AV-2100QE, AV-21Q17, AV-21Q17/L, AV-21QMG7/G, AV-21QMG7/S, AV-21QMG7B/G

CD-ROM No.SML200708

BASIC CHASSIS
CQ



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No.YA552
2007/8

AV-2100QE, AV-21Q17, AV-21Q17/L, AV-21QMG7/G, AV-21QMG7B/G, AV-21QMG7/S
STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped
(3)Internal resistance of tester	: DC 20kΩ/V
(4)Oscilloscope sweeping time	: H ⇒ 20μs / div
	: V ⇒ 5ms / div
	: Othters ⇒ Sweeping time is specified
(5)Voltage values	: All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R1209→ R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	: [Ω]
K	: [kΩ]
M	: [MΩ]

● Rated allowable power

No indication	: 1/16 [W]
Others	: As specified

● Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	: [pF]
less than 1	: [μF]

● Withstand voltage

No indication	: DC50[V]
Others	: DC withstand voltage [V]
AC indicated	: AC withstand voltage [V]

∗ Electrolytic Capacitors

47/50[Example]: Capacitance value [μF]/withstand voltage[V]

● Type

No indication	: Ceramic capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

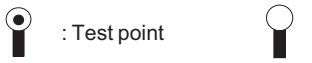
(3)Coils

No unit	: [μH]
Others	: As specified

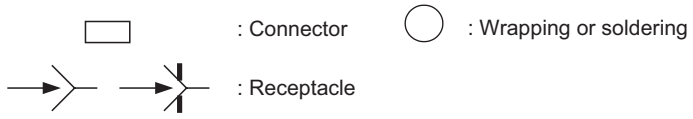
(4)Power Supply

∗ Respective voltage values are indicated

(5)Test point



(6)Connecting method



(7)Ground symbol

: LIVE side ground
: ISOLATED(NEUTRAL) side ground
: EARTH ground
: DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

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MAIN PWB PATTERN 2-9
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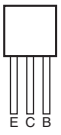
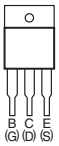
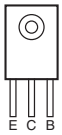
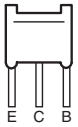
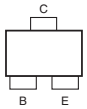
USING P.W. BOARD

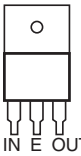
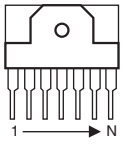
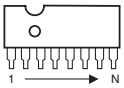
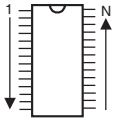
P.W.B ASS'Y name	AV-2100QE	AV-21Q17	AV-21Q17/L	AV-21QMG7/G	AV-21QMG7B/G	AV-21QMG7/S
MAIN P.W. BOARD	SCQ-1403A-H2	SCQ-1402A-H2	SCQ-1407A-H2	SCQ-1401A-H2	←	SCQ-1401A-H2

SEMICONDUCTOR SHAPES

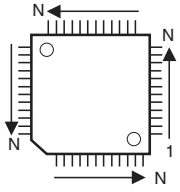
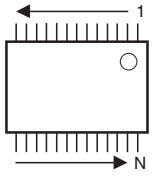
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

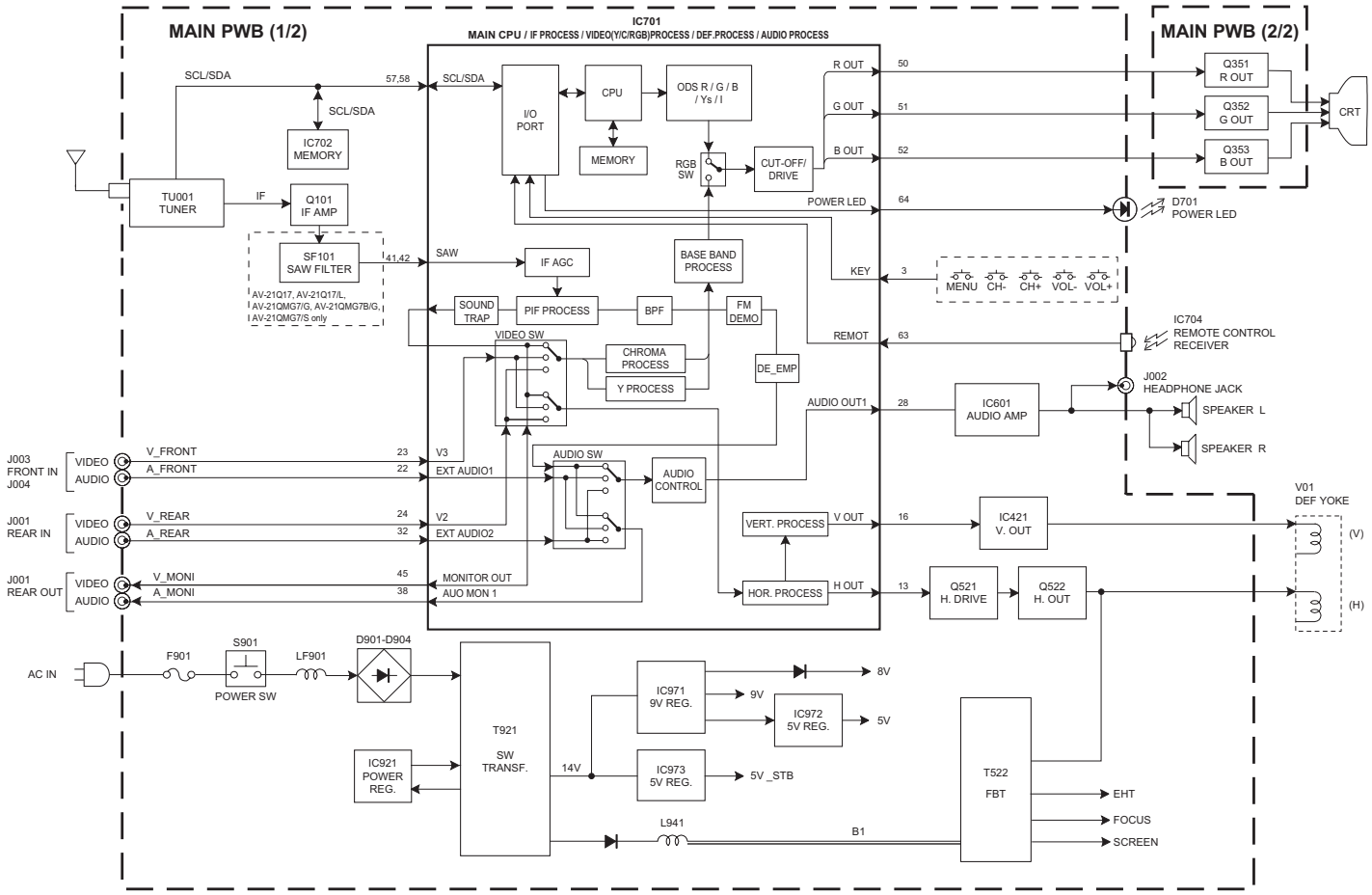
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

CHIP IC

TOP VIEW		
		

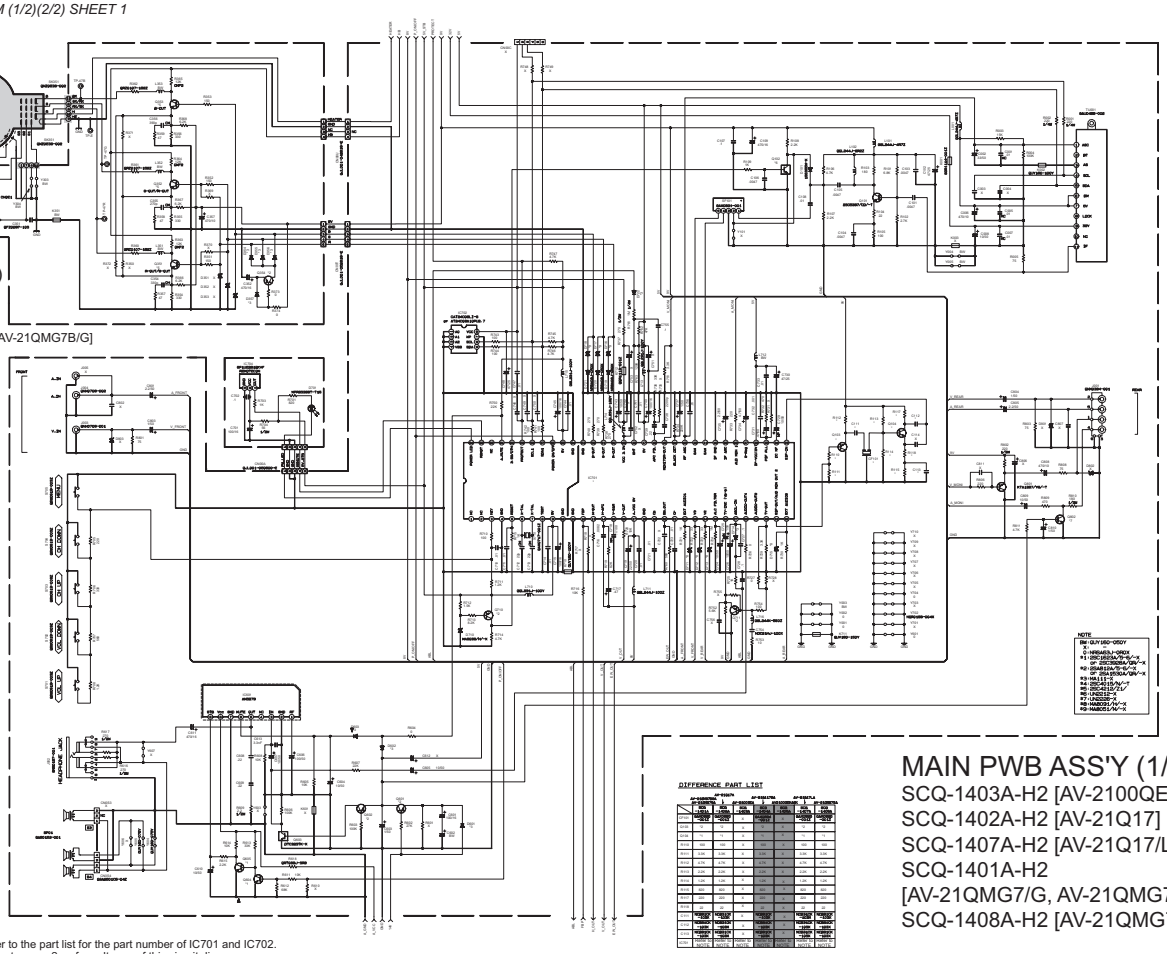
BLOCK DIAGRAM



CIRCUIT DIAGRAMS

MAIN PWB CIRCUIT DIAGRAM (1/2)(2/2) SHEET 1

MAIN PWB ASS'Y (2/2)
SCQ-1403A-H2 [AV-2100QE]
SCQ-1402A-H2 [AV-21Q17]
SCQ-1407A-H2 [AV-21Q17/L]
SCQ-1401A-H2 [AV-21QMG7/G, AV-21QMG7B/G]
SCQ-1408A-H2 [AV-21QMG7/S]

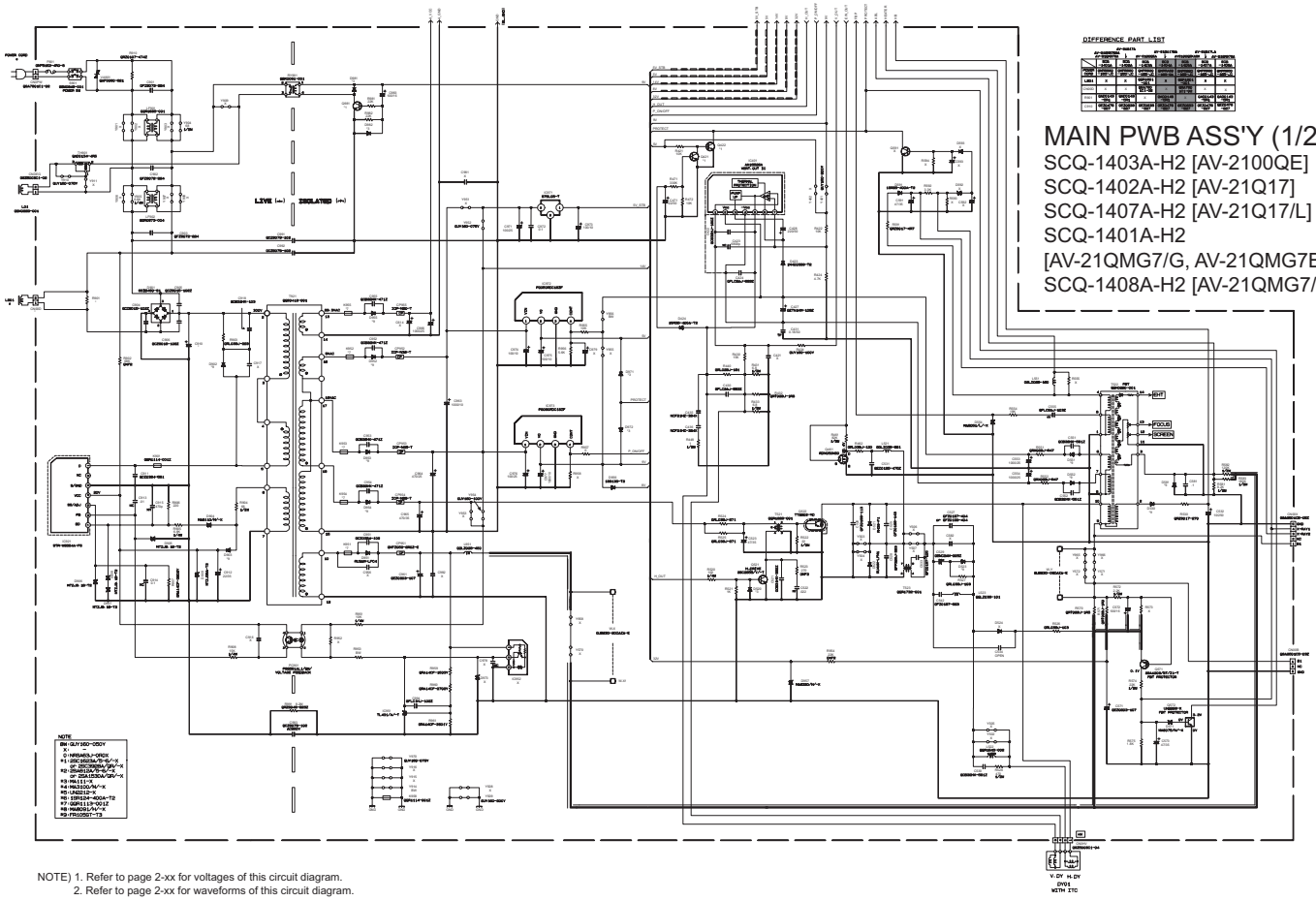


MAIN PWB ASS'Y (1/2)
SCQ-1403A-H2 [AV-2100QE]
SCQ-1402A-H2 [AV-21Q17]
SCQ-1407A-H2 [AV-21Q17/L]
SCQ-1401A-H2
[AV-21QMG7/G, AV-21QMG7B/G]
SCQ-1408A-H2 [AV-21QMG7/S]

NOTE) 1. Refer to the part list for the part number of IC701 and IC702.
2. Refer to page 2-xx for voltages of this circuit diagram.
3. Refer to page 2-xx for waveforms of this circuit diagram.

c13629_01_0802_1/2_0.0

MAIN PWB CIRCUIT DIAGRAM (1/2) SHEET 2

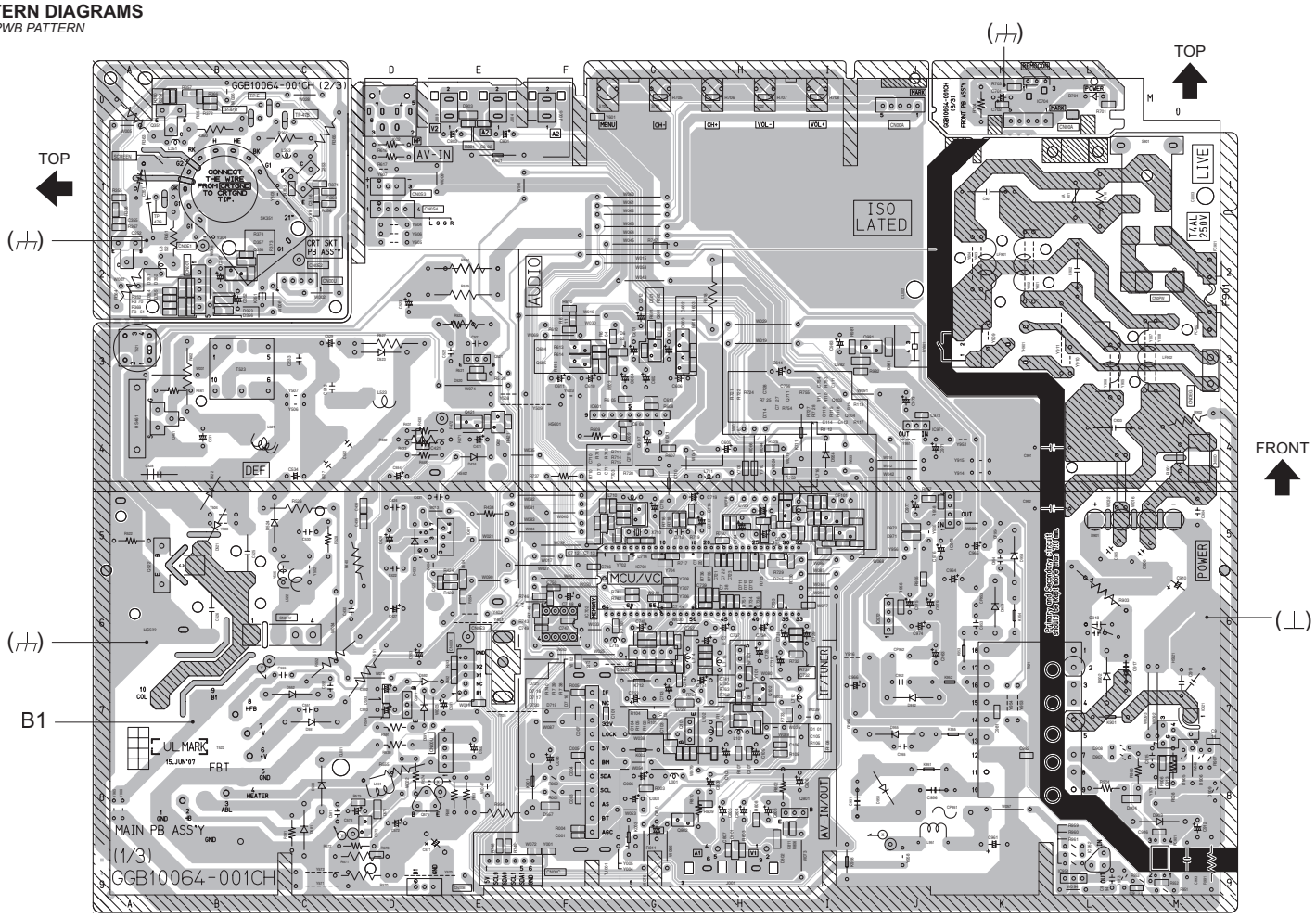


NOTE) 1. Refer to page 2-xx for voltages of this circuit diagram.
2. Refer to page 2-xx for waveforms of this circuit diagram.

cs13629_02_0802_2/2_0.0

PATTERN DIAGRAMS

MAIN PWB PATTERN



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(No.YA552)

Printed in Japan
VPT

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS	
CR	Carbon Resistor
FR	Fusible Resistor
PR	Plate Resistor
VR	Variable Resistor
HV R	High Voltage Resistor
MF R	Metal Film Resistor
MG R	Metal Glazed Resistor
MP R	Metal Plate Resistor
OM R	Metal Oxide Film Resistor
CMF R	Coating Metal Film Resistor
UNF R	Non-Flammable Resistor
CH V R	Chip Variable Resistor
CH MG R	Chip Metal Glazed Resistor
COMP. R	Composition Resistor
LPTC R	Linear Positive Temperature Coefficient Resistor

CAPACITORS	
C CAP.	Ceramic Capacitor
E CAP.	Electrolytic Capacitor
M CAP.	Mylar Capacitor
CH CAP.	Chip Capacitor
HV CAP.	High Voltage Capacitor
MF CAP.	Metalized Film Capacitor
MM CAP.	Metalized Mylar Capacitor
MP CAP.	Metalized Polystyrol Capacitor
PP CAP.	Polypropylene Capacitor
PS CAP.	Polystyrol Capacitor
TF CAP.	Thin Film Capacitor
MPP CAP.	Metalized Polypropylene Capacitor
TAN. CAP.	Tantalum Capacitor
CH C CAP.	Chip Ceramic Capacitor
BP E CAP.	Bi-Polar Electrolytic Capacitor
CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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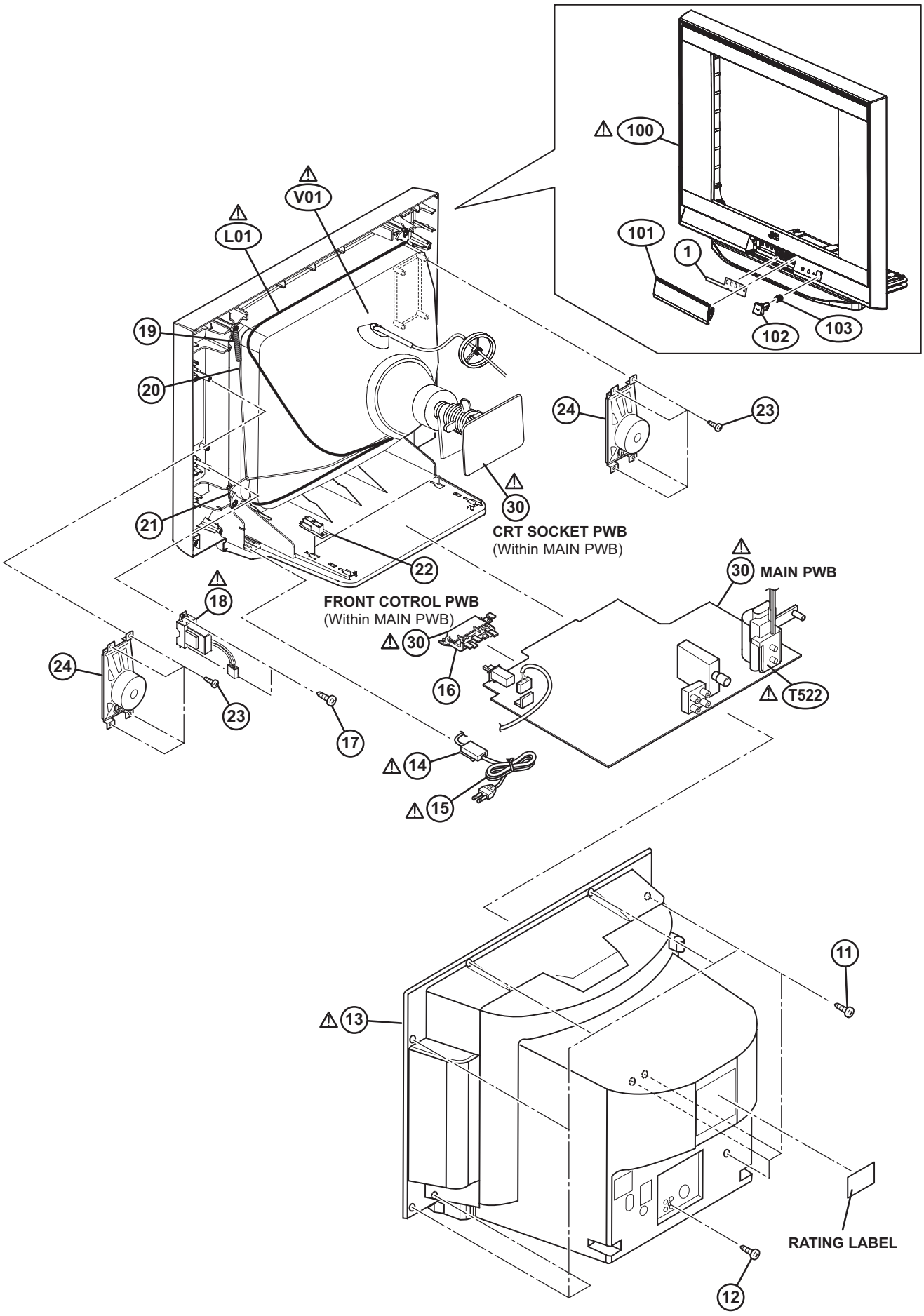
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y name	AV-2100QE	AV-21Q17	AV-21Q17/L	AV-21QMG7/S	AV-21QMG7/G	AV-21QMG7B/G
MAIN P.W.B	SCQ-1403A-H2	SCQ-1402A-H2	SCQ-1407A-H2	SCQ-1408A-H2	SCQ-1401A-H2	←
REMOTE CONTROL UNIT	RM-C1150-1H	←	←	←	←	←

EXPLODED VIEW PARTS LIST

⚠ Ref.No.	Part No.	Part Name	Description	Local
⚠ V01	A51QGV991X001	PICTURE TUBE(ITC)	Inc.DEF YOKE/PC MAGNET	
⚠ L01	QQW0229-001	DEG COIL		
⚠ T522	QQH0220-001	FB TRANSF		
1	GG30174-002A-H	OPERATION SHEET		
11	QYSBSFG4016ZA	TAP SCREW	M4 x 16mm(x9)	
12	QYSBSF3010ZA	TAP SCREW	M3 x 10mm	
⚠ 13	GG10482-002A-H	REAR COVER		
⚠ 14	CM47005-A01-H	POWER CORD CLAMP		
⚠ 15	QMPR820-165-JC	POWER CORD	1.65m BLACK	AV-2100QE,AV-21Q17,AV-21Q17L,AV-21QMG7G,AV-21QMG7BG
⚠ 15	QMPR650-165-JC	POWER CORD	1.65m BLACK	AV-21QMG7S
16	GG30119-001B-H	SUB PCB HOLDER		
17	QYSBSF4012ZA	TAP SCREW	M4 x 12mm(x2)	AV-2100QE
⚠ 18	QQR1801-001	CHOKE COIL		AV-2100QE
19	A48457-3-H	SPRING		
20	WJY0008-002A-E	E-BRAIDED ASSY		
21	WJY0013-003A-E	E-BRAIDED ASSY		
22	GG30151-001B-H	CHASSIS RAIL	(x2)	
23	QYSBSF4012ZA	TAP SCREW	M4 x 12mm(x4)	
24	QAS0152-001	SPEAKER	SP01/SP02(x2)	AV-2100QE,AV-21QMG7G,AV-21QMG7BG
24	QAS0544-001	SPEAKER	SP01/SP02(x2)	AV-21Q17,AV-21Q17L,AV-21QMG7S
⚠ 30	SCQ-1403A-H2	MAIN PWB		AV-2100QE
⚠ 30	SCQ-1402A-H2	MAIN PWB		AV-21Q17
⚠ 30	SCQ-1407A-H2	MAIN PWB		AV-21Q17L
⚠ 30	SCQ-1401A-H2	MAIN PWB		AV-21QMG7G,AV-21QMG7BG
⚠ 30	SCQ-1408A-H2	MAIN PWB		AV-21QMG7S
⚠ 100	GG10478-009A-H	FRONT CABINET ASSY	Inc.101-103	AV-2100QE,AV-21Q17,AV-21Q17L,AV-21QMG7G,AV-21QMG7S
⚠ 100	GG10478-010A-H	FRONT CABINET ASSY	Inc.101-103	AV-21QMG7BG
101	GG20159-001C-H	DOOR		AV-2100QE,AV-21Q17,AV-21Q17L,AV-21QMG7G,AV-21QMG7S
101	GG20159-002A-H	DOOR		AV-21QMG7BG
102	GG30173-001A-H	POWER KNOB		AV-2100QE,AV-21Q17,AV-21Q17L,AV-21QMG7G,AV-21QMG7S
102	GG30173-002A-H	POWER KNOB		AV-21QMG7BG
103	CM35235-003-H	SPRING		

EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST [AV-2100QE]

MAIN P.W. BOARD ASS'Y (SCQ-1403A-H2)

⚠Ref No.	Part No.	Part Name	Description Local
IC401	AN15526A	IC	
IC601	AN5279	IC	
IC701	A8897CPBNG-6RJ3	IC(MCU)	(SERVICE)
IC702	ATE08-14UMG7	IC	(SERVICE)
IC704	GP1UE281QKVF	IR DETECT UNIT	
IC921	STR-W6554A-F5	IC	
IC951	TL431/A/-T	IC	
IC971	S78L05-T	IC	
IC972	PQ050RDA1SZ	IC	
IC973	PQ090RDA1SSH	IC	
Q101	2SC5397/CD/-T	TRANSISTOR	
Q102	UN2212-X	DIGI TRANSISTOR	
Q103	2SA812A/5-6/-X	TRANSISTOR	
Q104	2SC1623A/5-6/-X	TRANSISTOR	
Q351	2SC4212/Z1/	TRANSISTOR	
Q352	2SC4212/Z1/	TRANSISTOR	
Q353	2SC4212/Z1/	TRANSISTOR	
Q354	2SA812A/5-6/-X	TRANSISTOR	
Q421	2SC1623A/5-6/-X	TRANSISTOR	
Q422	2SC1623A/5-6/-X	TRANSISTOR	
Q461	RDN050N20	POWER MOS FET	
Q521	2SC2655/Y/-T	TRANSISTOR	
Q522	TT2202-YD	POW TRANSISTOR	
Q571	2SA1208/ST/Z1-T	TRANSISTOR	
Q572	UN2226-X	DIGI TRANSISTOR	
Q601	2SA812A/5-6/-X	TRANSISTOR	
Q602	2SA812A/5-6/-X	TRANSISTOR	
Q603	DTC323TK-X	DIGI TRANSISTOR	
Q604	2SC1623A/5-6/-X	TRANSISTOR	
Q605	2SC1623A/5-6/-X	TRANSISTOR	
Q710	2SA812A/5-6/-X	TRANSISTOR	
Q711	2SA812A/5-6/-X	TRANSISTOR	
Q801	KTA1267/YG/-T	TRANSISTOR	
Q802	UN2226-X	DIGI TRANSISTOR	
Q981	2SC1623A/5-6/-X	TRANSISTOR	
D101	1SS355W-X	DIODE	
D354	MA111-X	SI DIODE	
D355	MA111-X	SI DIODE	
D356	MA111-X	SI DIODE	
D357	MA111-X	SI DIODE	
D423	1N4003SG-T2	SI DIODE	
D424	1SR35-400A-T2	SI DIODE	
D520	MA111-X	SI DIODE	
D521	RH3G-F1	SI DIODE	
D522	RU4AM-LFM1	SI DIODE	
D523	FR105GT-T3	SI DIODE	
D530	FR105GT-T3	SI DIODE	
D551	FR105GT-T3	SI DIODE	
D552	FR105GT-T3	SI DIODE	
D554	MA8091/H/-X	Z DIODE	
D571	MA8075/H/-X	Z DIODE	
D581	FR105GT-T3	SI DIODE	
D591	1SR35-400A-T2	SI DIODE	
D601	MA111-X	SI DIODE	
D602	MA111-X	SI DIODE	
D603	MA111-X	SI DIODE	
D701	MPR3338ST-T16	LED	POWER
D710	MA8039/H/-X	Z DIODE	
D711	MA8091/H/-X	Z DIODE	
D712	MA8091/H/-X	Z DIODE	
D713	MA8091/H/-X	Z DIODE	
D714	MA111-X	SI DIODE	
D715	MA8091/H/-X	Z DIODE	
D716	MA8051/M/-X	Z DIODE	
D717	MA8051/M/-X	Z DIODE	
D718	MA8051/M/-X	Z DIODE	
D719	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D720	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D721	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D722	MA111-X	SI DIODE	
D901	GSIB460-S1	BRIDGE DIODE	
D902	FR105GT-T3	SI DIODE	
D903	FR105GT-T3	SI DIODE	
D904	MA8110/M/-X	Z DIODE	
D905	MTZJ9.1B-T2	Z DIODE	
D906	MTZJ9.1B-T2	Z DIODE	
D907	MTZJ9.1B-T2	Z DIODE	
D908	MTZJ9.1B-T2	Z DIODE	
D909	MTZJ36A-T2	Z DIODE	
D951	RU3AM-LFC4	SI DIODE	
D952	FR105GT-T3	SI DIODE	
D953	FR105GT-T3	SI DIODE	
D954	FR105GT-T3	SI DIODE	
D955	FR105GT-T3	SI DIODE	
D956	1SS133-T2	SI DIODE	
D957	MA8330/M/-X	Z DIODE	
D971	MA111-X	SI DIODE	
D972	MA111-X	SI DIODE	
D981	MA111-X	SI DIODE	
D982	MA111-X	SI DIODE	
C001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C002	QETN1HM-336Z	E CAPACITOR	33uF 50V M
C005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C006	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C008	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C101	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C102	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C103	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C104	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C105	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C106	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C108	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C109	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C351	QFZ0097-103	MM CAPACITOR	0.01uF 1250V K
C352	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C354	NDC31HJ-331X	C CAPACITOR	330pF 50V J
C355	NDC31HJ-271X	C CAPACITOR	270pF 50V J
C356	NDC31HJ-391X	C CAPACITOR	390pF 50V J
C357	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C422	QCS32HJ-180Z	C CAPACITOR	18pF 500V J
C423	NCB31HK-682X	C CAPACITOR	6800pF 50V K
C424	QFLC2AJ-683Z	M CAPACITOR	0.068uF 100V J
C427	QETM1HM-108	E CAPACITOR	1000uF 50V M
C428	QETN1HM-227Z	E CAPACITOR	220uF 50V M
C430	QFLC2AJ-563Z	M CAPACITOR	0.056uF 100V J
C431	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J
C435	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z
C436	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z
C471	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C521	QCB31HK-332Z	C CAPACITOR	3300pF 50V K
C522	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J
C523	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C525	QFZ0196-143	MPP CAPACITOR	0.014uF 1.5kV H
C526	QFZ0196-113	MPP CAPACITOR	0.011uF 1.5kV H
C527	QFZ0197-404	MPP CAPACITOR	0.4uF 250V J
C528	QFP32GJ-393	PP CAPACITOR	0.039uF 400V J
C529	QENC2AM-225Z	BP E CAPACITOR	2.2uF 100V M
C530	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C531	QEZ0195-475Z	BP E CAPACITOR	4.7uF 50V M
C532	QETN2EM-106Z	E CAPACITOR	10uF 250V M
C533	QFZ0197-105	MPP CAPACITOR	1uF 250V J
C542	QFZ0197-823	MPP CAPACITOR	0.082uF 250V J
C551	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C552	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C553	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C554	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C555	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J
C571	QEZ0203-107	E CAPACITOR	100uF 160V M
C572	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C573	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C581	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C591	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C601	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C603	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C604	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C605	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C606	QETN1HM-107Z	E CAPACITOR	100uF 50V M
C607	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C608	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C609	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C610	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C611	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C701	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C702	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C710	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C711	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C712	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C713	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C715	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C716	NCB31HK-822X	C CAPACITOR	8200pF 50V K
C717	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
C718	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J
C719	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C720	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K

⚠Ref No.	Part No.	Part Name	Description Local
C724	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C725	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
C726	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C727	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C728	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C729	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C730	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C731	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
C732	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C733	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C734	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C735	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C736	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C737	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C738	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C739	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C740	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C741	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C743	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C744	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C745	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C747	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C748	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C754	NDC21HJ-100X	C CAPACITOR	10pF 50V J
C755	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C801	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C803	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C804	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C805	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C808	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C809	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C810	QETN1HM-105Z	E CAPACITOR	1uF 50V M
⚠C901	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
⚠C902	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
⚠C903	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
⚠C904	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
⚠C905	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
⚠C906	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
C910	QEZ0633-227	E CAPACITOR	220uF 450V M
C911	QCZ0364-561	C CAPACITOR	560pF 2kV K
C912	QETN1VM-226Z	E CAPACITOR	22uF 35V M
C913	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C914	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C915	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J
C918	QCB32HK-103	C CAPACITOR	0.01uF 500V K
C951	QCZ0364-102	C CAPACITOR	1000pF 2kV K
C952	QCB32HK-471Z	C CAPACITOR	470pF 500V K
C953	QCB32HK-471Z	C CAPACITOR	470pF 500V K
C954	QCB32HK-471Z	C CAPACITOR	470pF 500V K
C955	QCB32HK-471Z	C CAPACITOR	470pF 500V K
C961	QEZ0203-107	E CAPACITOR	100uF 160V M
C963	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C964	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C965	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C966	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C971	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C972	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C973	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C974	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C975	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C976	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C977	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C981	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C983	QETN1CM-107Z	E CAPACITOR	100uF 16V M
⚠C991	QCZ9079-102	C CAPACITOR	1000pF AC250V M
⚠C992	QCZ9079-102	C CAPACITOR	1000pF AC250V M
⚠C993	QCZ9079-102	C CAPACITOR	1000pF AC250V M
C994	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
R001	QRE141J-221Y	C RESISTOR	220Ω 1/4W J
R002	QRE141J-221Y	C RESISTOR	220Ω 1/4W J
R003	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R004	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R005	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R101	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R102	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R103	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R106	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R107	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R108	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R109	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R351	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R352	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R353	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R355	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R356	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R357	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R358	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R359	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R360	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R361	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R362	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R363	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R364	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R365	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R366	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J
R367	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J
R368	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J
R373	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R374	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R421	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R424	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R430	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R431	QRE121J-6R8Y	C RESISTOR	6.8Ω 1/2W J
R432	QRT029J-1R8	MF RESISTOR	1.8Ω 2W J
R433	QRE121J-6R8Y	C RESISTOR	6.8Ω 1/2W J
R440	QRL029J-151	OMF RESISTOR	150Ω 2W J
R448	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J
R461	QRE121J-823Y	C RESISTOR	82kΩ 1/2W J
R462	QRL039J-120	OMF RESISTOR	12Ω 3W J
R471	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
R472	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R520	QRE141J-101Y	C RESISTOR	100Ω 1/4W J
R521	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R522	QRE121J-220Y	C RESISTOR	22Ω 1/2W J
R523	QRL029J-271	OMF RESISTOR	270Ω 2W J
R524	QRL039J-271	OMF RESISTOR	270Ω 3W J
R525	QRL039J-271	OMF RESISTOR	270Ω 3W J
R526	QRL039J-103	OMF RESISTOR	10kΩ 3W J
R527	QRL039J-103	OMF RESISTOR	10kΩ 3W J
R528	QRE121J-471Y	C RESISTOR	470Ω 1/2W J
⚠R530	QRZ9017-270	FUSI RESISTOR	27Ω 1/4W J
R551	QRX029J-R47	MF RESISTOR	0.47Ω 2W J
R552	QRX029J-R47	MF RESISTOR	0.47Ω 2W J
R554	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R570	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J
R571	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R572	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R574	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R575	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R581	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J
R582	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J
R583	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J
⚠R591	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
R592	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R602	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R603	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R605	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R606	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R607	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R608	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R609	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J
R611	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R612	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R613	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R614	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R615	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R616	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R617	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R618	QRT039J-3R3	MF RESISTOR	3.3Ω 3W J
R701	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R703	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R704	QRE121J-560Y	C RESISTOR	56Ω 1/2W J
R705	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R706	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R707	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R708	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R710	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R711	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R712	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R713	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R714	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R715	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R716	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R718	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R719	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R720	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R722	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R723	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R724	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R727	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R729	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R730	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R732	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R733	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R734	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R736	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R737	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R738	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R739	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R740	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R742	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R743	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R744	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R745	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R746	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R747	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R750	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R751	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R752	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R753	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R754	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R760	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R761	QRE141J-105Y	C RESISTOR	1MΩ 1/4W J
R762	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R763	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R801	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R802	QRE121J-221Y	C RESISTOR	220Ω 1/2W J
R803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R806	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R808	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R809	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R810	QRE121J-181Y	C RESISTOR	180Ω 1/2W J
R811	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R902	QRL029J-683	OMF RESISTOR	68kΩ 2W J
R903	QRL039J-223	OMF RESISTOR	22kΩ 3W J
R904	QRE121J-680Y	C RESISTOR	68Ω 1/2W J
R905	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J
R906	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R907	QRA14CF-3902Y	CMF RESISTOR	39kΩ 1/4W F
R908	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J
⚠R910	QRZ0107-474Z	C RESISTOR	470kΩ 1/2W K
R951	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R954	QRL029J-223	OMF RESISTOR	22kΩ 2W J
R955	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R956	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R957	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R959	QRA14CF-1503Y	CMF RESISTOR	150kΩ 1/4W F
R960	QRA14CF-2702Y	CMF RESISTOR	27kΩ 1/4W F
R961	QRA14CF-3901Y	CMF RESISTOR	3.9kΩ 1/4W F
R981	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R982	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
⚠R991	QRZ9046-825Z	C RESISTOR	8.2MΩ 1/2W K
L001	QQL244J-4R7Z	P COIL	4.7uH J
L101	QQL244J-4R7Z	P COIL	4.7uH J
L102	QQL244J-2R2Z	PEAKING COIL	2.2uH J
L521	QQLZ036-821	COIL	820uH K
L522	QQR1243-002	LINEARITY COIL	
L523	QQLZ036-101	COIL	100uH K
L551	QQLZ026-160	COIL	16uH
L710	QQL231J-100Y	COIL	10uH J
L711	QQL244J-100Z	COIL	10uH J
L713	QQL231J-100Y	COIL	10uH J
L714	QQL231J-120Y	COIL	12uH J
L715	QQL231J-100Y	COIL	10uH J
L716	QQL244K-560Z	PEAKING COIL	56uH K
L951	QQLZ026-460	COIL	46uH
⚠T521	QQR1229-001	DRIVE TRANSF	
⚠T523	QQR1732-001	PIN TRANSF	
⚠T921	QQS0412-001	SW TRANSF	
CN00A	QJL001-050600-E	SIN CR B-B WIRE	
CN00T	QJL001-052616-E	SIN CR B-B WIRE	
CN00U	QJL001-042616-E	SIN CR B-B WIRE	
CN0E1	QUB130-30A6AS-E	SIN TWIST WIRE	
⚠CP951	QMFZ052-2R0Z-E	FUSE	2A
⚠CP952	ICP-N38-T	IC PROTECTOR	1.5A
⚠CP953	ICP-N25-T	IC PROTECTOR	1.0A
⚠CP954	ICP-N38-T	IC PROTECTOR	1.5A
⚠CP955	ICP-N50-T	IC PROTECTOR	2.0A
⚠F901	QMF51E2-4R0-S	FUSE	4A AC250V
J001	QNN0384-001	PIN JACK	VIDEO,AUDIO IN/OUT(REAR)
J002	QNS0197-001	3.5 JACK	HEADPHONE
J003	QNN0706-001	PIN JACK	VIDEO IN(FRONT)
J004	QNN0706-002	PIN JACK	AUDIO IN(FRONT)
K001	QQR1114-001Z	FERRITE BEADS	
K712	QQR1113-001Z	FERRITE BEADS	
K901	QQR1114-001Z	FERRITE BEADS	
K951	QQR1113-001Z	FERRITE BEADS	
K952	QQR1113-001Z	FERRITE BEADS	
K953	QQR1113-001Z	FERRITE BEADS	
K954	QQR1113-001Z	FERRITE BEADS	
K955	QQR1113-001Z	FERRITE BEADS	
K958	QQR1114-001Z	FERRITE BEADS	
⚠LF901	QQR1635-001	LINE FILTER	
⚠LF902	QQR0673-004	LINE FILTER	
⚠PC901	PS2581AL1/QW/	PHOTO COUPLER	
⚠RY901	QSK0061-001	RELAY	
S701	QSW0619-003Z	PUSH SWITCH	VOL+
S702	QSW0619-003Z	PUSH SWITCH	VOL-
S703	QSW0619-003Z	PUSH SWITCH	CH+
S704	QSW0619-003Z	PUSH SWITCH	CH-
S705	QSW0619-003Z	PUSH SWITCH	MENU
⚠S901	QSW0846-001	PUSH SWITCH	POWER
SF101	QAX0921-001	SAW FILTER	
⚠SK351	QNZ0536-002	CRT SOCKET	
⚠TH901	QAD0134-4R5	P THERMISTOR	4.5Ω
TU001	QAU0466-002	TUNER	
⚠VA901	QAF0060-621	VARISTOR	620V
X710	QAX0717-001Z	CRYSTAL	8.000MHz

PRINTED WIRING BOARD PARTS LIST [AV-21Q17]

MAIN P.W. BOARD ASS'Y (SCQ-1402A-H2)

⚠Ref No.	Part No.	Part Name	Description Local
IC401	AN15526A	IC	
IC601	AN5279	IC	
IC701	A8897CPBNG-6RJ3	IC(MCU)	(SERVICE)
IC702	ATE08-14UMG7	IC	(SERVICE)
IC704	GP1UE281QKVF	IR DETECT UNIT	
IC921	STR-W6554A-F5	IC	
IC951	TL431/A/-T	IC	
IC971	S78L05-T	IC	
IC972	PQ050RDC1SZF	IC	
IC973	PQ090RDA1SSH	IC	
Q101	2SC5397/CD/-T	TRANSISTOR	
Q102	UN2212-X	DIGI TRANSISTOR	
Q103	2SA812A/5-6/-X	TRANSISTOR	
Q104	2SC1623A/5-6/-X	TRANSISTOR	
Q351	2SC4212/Z1/	TRANSISTOR	
Q352	2SC4212/Z1/	TRANSISTOR	
Q353	2SC4212/Z1/	TRANSISTOR	
Q354	2SA812A/5-6/-X	TRANSISTOR	
Q421	2SC1623A/5-6/-X	TRANSISTOR	
Q422	2SC1623A/5-6/-X	TRANSISTOR	
Q461	RDN050N20	POWER MOS FET	
Q521	2SC2655/Y/-T	TRANSISTOR	
Q522	TT2202-YD	POW TRANSISTOR	
Q571	2SA1208/ST/Z1-T	TRANSISTOR	
Q572	UN2226-X	DIGI TRANSISTOR	
Q601	2SA812A/5-6/-X	TRANSISTOR	
Q602	2SA812A/5-6/-X	TRANSISTOR	
Q603	DTC323TK-X	DIGI TRANSISTOR	
Q604	2SC1623A/5-6/-X	TRANSISTOR	
Q605	2SC1623A/5-6/-X	TRANSISTOR	
Q710	2SA812A/5-6/-X	TRANSISTOR	
Q711	2SA812A/5-6/-X	TRANSISTOR	
Q801	KTA1267/YG/-T	TRANSISTOR	
Q802	UN2226-X	DIGI TRANSISTOR	
Q981	2SC1623A/5-6/-X	TRANSISTOR	
D101	1SS355W-X	DIODE	
D354	MA111-X	SI DIODE	
D355	MA111-X	SI DIODE	
D356	MA111-X	SI DIODE	
D357	MA111-X	SI DIODE	
D423	1N4003SG-T2	SI DIODE	
D424	1SR35-400A-T2	SI DIODE	
D520	MA111-X	SI DIODE	
D521	RH3G-F1	SI DIODE	
D522	RU4AM-LFM1	SI DIODE	
D523	FR105GT-T3	SI DIODE	
D530	FR105GT-T3	SI DIODE	
D551	FR105GT-T3	SI DIODE	
D552	FR105GT-T3	SI DIODE	
D554	MA8091/H/-X	Z DIODE	
D571	MA8075/H/-X	Z DIODE	
D581	FR105GT-T3	SI DIODE	
D591	1SR35-400A-T2	SI DIODE	
D601	MA111-X	SI DIODE	
D602	MA111-X	SI DIODE	
D603	MA111-X	SI DIODE	
D701	MPR3338ST-T16	LED	POWER
D710	MA8039/H/-X	Z DIODE	
D711	MA8091/H/-X	Z DIODE	
D712	MA8091/H/-X	Z DIODE	
D713	MA8091/H/-X	Z DIODE	
D714	MA111-X	SI DIODE	
D715	MA8091/H/-X	Z DIODE	
D716	MA8051/M/-X	Z DIODE	
D717	MA8051/M/-X	Z DIODE	
D718	MA8051/M/-X	Z DIODE	
D719	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D720	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D721	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D722	MA111-X	SI DIODE	
D901	GSIB460-S1	BRIDGE DIODE	
D902	FR105GT-T3	SI DIODE	
D903	FR105GT-T3	SI DIODE	
D904	MA8110/M/-X	Z DIODE	
D905	MTZJ9.1B-T2	Z DIODE	
D906	MTZJ9.1B-T2	Z DIODE	
D907	MTZJ9.1B-T2	Z DIODE	
D908	MTZJ9.1B-T2	Z DIODE	
D909	MTZJ36A-T2	Z DIODE	
D951	RU3AM-LFC4	SI DIODE	
D952	FR105GT-T3	SI DIODE	
D953	FR105GT-T3	SI DIODE	
D954	FR105GT-T3	SI DIODE	
D955	FR105GT-T3	SI DIODE	
D956	1SS133-T2	SI DIODE	
D957	MA8330/M/-X	Z DIODE	
D971	MA111-X	SI DIODE	
D972	MA111-X	SI DIODE	
D981	MA111-X	SI DIODE	
D982	MA111-X	SI DIODE	
C001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C002	QETN1HM-336Z	E CAPACITOR	33uF 50V M
C005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C006	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C008	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C101	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C102	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C103	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C104	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C105	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C106	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C108	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C109	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C111	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C112	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C113	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C351	QFZ0097-103	MM CAPACITOR	0.01uF 1250V K
C352	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C354	NDC31HJ-331X	C CAPACITOR	330pF 50V J
C355	NDC31HJ-271X	C CAPACITOR	270pF 50V J
C356	NDC31HJ-391X	C CAPACITOR	390pF 50V J
C357	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C422	QCS32HJ-180Z	C CAPACITOR	18pF 500V J
C423	NCB31HK-682X	C CAPACITOR	6800pF 50V K
C424	QFLC2AJ-683Z	M CAPACITOR	0.068uF 100V J
C427	QETM1HM-108	E CAPACITOR	1000uF 50V M
C428	QETN1HM-227Z	E CAPACITOR	220uF 50V M
C430	QFLC2AJ-563Z	M CAPACITOR	0.056uF 100V J
C431	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J
C435	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z
C436	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z
C471	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C521	QCB31HK-332Z	C CAPACITOR	3300pF 50V K
C522	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J
C523	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C525	QFZ0196-143	MPP CAPACITOR	0.014uF 1.5kV H
C526	QFZ0196-113	MPP CAPACITOR	0.011uF 1.5kV H
C527	QFZ0197-404	MPP CAPACITOR	0.4uF 250V J
C528	QFP32GJ-393	PP CAPACITOR	0.039uF 400V J
C529	QENC2AM-225Z	BP E CAPACITOR	2.2uF 100V M
C530	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C531	QEZ0195-475Z	BP E CAPACITOR	4.7uF 50V M
C532	QETN2EM-106Z	E CAPACITOR	10uF 250V M
C533	QFZ0197-105	MPP CAPACITOR	1uF 250V J
C542	QFZ0197-823	MPP CAPACITOR	0.082uF 250V J
C551	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C552	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C553	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C554	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C555	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J
C571	QEZ0203-107	E CAPACITOR	100uF 160V M
C572	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C573	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C581	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C591	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C601	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C603	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C604	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C605	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C606	QETN1HM-107Z	E CAPACITOR	100uF 50V M
C607	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C608	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C609	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C610	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C611	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C701	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C702	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C710	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C711	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C712	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C713	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C715	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C716	NCB31HK-822X	C CAPACITOR	8200pF 50V K
C717	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
C718	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J
C719	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M

⚠Ref No.	Part No.	Part Name	Description Local
C720	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C724	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C725	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
C726	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C727	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C728	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C729	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C730	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C731	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
C732	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C733	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C734	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C735	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C736	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C737	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C738	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C739	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C740	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C741	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C743	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C744	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C745	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C747	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C748	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C754	NDC21HJ-100X	C CAPACITOR	10pF 50V J
C755	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C801	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C803	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C804	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C805	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C808	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C809	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C810	QETN1HM-105Z	E CAPACITOR	1uF 50V M
⚠C901	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
⚠C902	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
⚠C903	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
⚠C904	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
⚠C905	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
⚠C906	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
C910	QEZ0633-227	E CAPACITOR	220uF 450V M
C911	QCZ0364-561	C CAPACITOR	560pF 2kV K
C912	QETN1VM-226Z	E CAPACITOR	22uF 35V M
C913	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C914	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C915	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J
C918	QCB32HK-103	C CAPACITOR	0.01uF 500V K
C951	QCZ0364-102	C CAPACITOR	1000pF 2kV K
C952	QCB32HK-471Z	C CAPACITOR	470pF 500V K
C953	QCB32HK-471Z	C CAPACITOR	470pF 500V K
C954	QCB32HK-471Z	C CAPACITOR	470pF 500V K
C955	QCB32HK-471Z	C CAPACITOR	470pF 500V K
C961	QEZ0203-107	E CAPACITOR	100uF 160V M
C963	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C964	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C965	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C966	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C971	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C972	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C973	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C974	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C975	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C976	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C977	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C981	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C983	QETN1CM-107Z	E CAPACITOR	100uF 16V M
⚠C991	QCZ9079-102	C CAPACITOR	1000pF AC250V M
⚠C992	QCZ9079-102	C CAPACITOR	1000pF AC250V M
⚠C993	QCZ9079-102	C CAPACITOR	1000pF AC250V M
C994	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
R001	QRE141J-221Y	C RESISTOR	220Ω 1/4W J
R002	QRE141J-221Y	C RESISTOR	220Ω 1/4W J
R003	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R004	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R005	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R101	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R102	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R103	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R106	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R107	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R108	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R109	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R111	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R112	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R114	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R115	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R117	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R118	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R351	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R352	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R353	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R355	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R356	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R357	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R358	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R359	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R360	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R361	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R362	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R363	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R364	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R365	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R366	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J
R367	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J
R368	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J
R373	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R374	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R421	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R424	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R430	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R431	QRE121J-6R8Y	C RESISTOR	6.8Ω 1/2W J
R432	QRT029J-1R8	MF RESISTOR	1.8Ω 2W J
R433	QRE121J-6R8Y	C RESISTOR	6.8Ω 1/2W J
R440	QRL029J-151	OMF RESISTOR	150Ω 2W J
R448	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J
R461	QRE121J-823Y	C RESISTOR	82kΩ 1/2W J
R462	QRL039J-120	OMF RESISTOR	12Ω 3W J
R471	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
R472	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R520	QRE141J-101Y	C RESISTOR	100Ω 1/4W J
R521	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R522	QRE121J-220Y	C RESISTOR	22Ω 1/2W J
R523	QRL029J-271	OMF RESISTOR	270Ω 2W J
R524	QRL039J-271	OMF RESISTOR	270Ω 3W J
R525	QRL039J-271	OMF RESISTOR	270Ω 3W J
R526	QRL039J-103	OMF RESISTOR	10kΩ 3W J
R527	QRL039J-103	OMF RESISTOR	10kΩ 3W J
R528	QRE121J-471Y	C RESISTOR	470Ω 1/2W J
⚠R530	QRZ9017-270	FUSI RESISTOR	27Ω 1/4W J
R551	QRX029J-R47	MF RESISTOR	0.47Ω 2W J
R552	QRX029J-R47	MF RESISTOR	0.47Ω 2W J
R554	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R570	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J
R571	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R572	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R574	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R575	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R581	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J
R582	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J
R583	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J
⚠R591	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
R592	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R602	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R603	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R605	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R606	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R607	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R608	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R609	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J
R611	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R612	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R613	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R614	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R615	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R616	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R617	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R618	QRT039J-3R3	MF RESISTOR	3.3Ω 3W J
R701	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R703	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R704	QRE121J-560Y	C RESISTOR	56Ω 1/2W J
R705	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R706	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R707	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R708	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R710	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R711	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R712	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R713	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R714	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R715	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R716	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R718	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R719	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R720	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R722	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R723	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R724	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R727	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R729	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R730	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R732	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R733	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R734	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R736	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R737	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R738	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R739	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R740	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R742	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R743	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R744	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R745	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R746	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R747	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R750	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R751	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R752	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R753	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R754	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R760	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R761	QRE141J-105Y	C RESISTOR	1MΩ 1/4W J
R762	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R763	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R801	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R802	QRE121J-221Y	C RESISTOR	220Ω 1/2W J
R803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R806	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R808	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R809	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R810	QRE121J-181Y	C RESISTOR	180Ω 1/2W J
R811	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R901	QAD0143-5R1	N THERMISTOR	5.1Ω
R902	QRL029J-683	OMF RESISTOR	68kΩ 2W J
R903	QRL039J-223	OMF RESISTOR	22kΩ 3W J
R904	QRE121J-680Y	C RESISTOR	68Ω 1/2W J
R905	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J
R906	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R907	QRA14CF-3902Y	CMF RESISTOR	39kΩ 1/4W F
R908	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J
⚠R910	QRZ0107-474Z	C RESISTOR	470kΩ 1/2W K
R951	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R954	QRL029J-223	OMF RESISTOR	22kΩ 2W J
R955	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R956	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R957	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R959	QRA14CF-1503Y	CMF RESISTOR	150kΩ 1/4W F
R960	QRA14CF-2702Y	CMF RESISTOR	27kΩ 1/4W F
R961	QRA14CF-3901Y	CMF RESISTOR	3.9kΩ 1/4W F
R981	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R982	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
⚠R991	QRZ9046-825Z	C RESISTOR	8.2MΩ 1/2W K
L001	QQL244J-4R7Z	P COIL	4.7uH J
L101	QQL244J-4R7Z	P COIL	4.7uH J
L102	QQL244J-2R2Z	PEAKING COIL	2.2uH J
L521	QQLZ036-821	COIL	
L522	QQR1243-002	LINEARITY COIL	
L523	QQLZ036-101	COIL	100uH K
L551	QQLZ026-160	COIL	16uH
L710	QQL231J-100Y	COIL	10uH J
L711	QQL244J-100Z	COIL	10uH J
L713	QQL231J-100Y	COIL	10uH J
L714	QQL231J-120Y	COIL	12uH J
L715	QQL231J-100Y	COIL	10uH J
L716	QQL244K-560Z	PEAKING COIL	56uH K
L951	QQLZ026-460	COIL	46uH
⚠T521	QQR1229-001	DRIVE TRANSF	
⚠T523	QQR1732-001	PIN TRANSF	
⚠T921	QQS0412-001	SW TRANSF	
CF101	QAX0695-001Z	C FILTER	5.500MHz
CN00A	QJL001-050600-E	SIN CR B-B WIRE	
CN00T	QJL001-052616-E	SIN CR B-B WIRE	
CN00U	QJL001-042616-E	SIN CR B-B WIRE	
CN0E1	QUB130-30A6AS-E	SIN TWIST WIRE	
⚠CP951	QMFZ052-2R0Z-E	FUSE	2A
⚠CP952	ICP-N38-T	IC PROTECTOR	1.5A
⚠CP953	ICP-N25-T	IC PROTECTOR	1.0A
⚠CP954	ICP-N38-T	IC PROTECTOR	1.5A
⚠CP955	ICP-N50-T	IC PROTECTOR	2.0A
⚠F901	QMF51E2-4R0-S	FUSE	4A AC250V
J001	QNN0384-001	PIN JACK	VIDEO,AUDIO IN/OUT(REAR)
J002	QNS0197-001	3.5 JACK	HEADPHONE
J003	QNN0706-001	PIN JACK	VIDEO IN(FRONT)
J004	QNN0706-002	PIN JACK	AUDIO IN(FRONT)
K001	QQR1114-001Z	FERRITE BEADS	
K712	QQR1113-001Z	FERRITE BEADS	
K901	QQR1114-001Z	FERRITE BEADS	
K951	QQR1113-001Z	FERRITE BEADS	
K952	QQR1113-001Z	FERRITE BEADS	
K953	QQR1113-001Z	FERRITE BEADS	
K954	QQR1113-001Z	FERRITE BEADS	
K955	QQR1113-001Z	FERRITE BEADS	
K958	QQR1114-001Z	FERRITE BEADS	
⚠LF901	QQR1635-001	LINE FILTER	
⚠LF902	QQR0673-004	LINE FILTER	
⚠PC901	PS2581AL1/QW/	PHOTO COUPLER	
⚠RY901	QSK0061-001	RELAY	
S701	QSW0619-003Z	PUSH SWITCH	VOL+
S702	QSW0619-003Z	PUSH SWITCH	VOL-
S703	QSW0619-003Z	PUSH SWITCH	CH+
S704	QSW0619-003Z	PUSH SWITCH	CH-
S705	QSW0619-003Z	PUSH SWITCH	MENU
⚠S901	QSW0846-001	PUSH SWITCH	POWER
SF101	QAX0921-001	SAW FILTER	
⚠SK351	QNZ0536-002	CRT SOCKET	
⚠TH901	QAD0134-4R5	P THERMISTOR	4.5Ω
TU001	QAU0466-002	TUNER	
⚠VA901	QAF0060-621	VARISTOR	620V
X710	QAX0717-001Z	CRYSTAL	8.000MHz

PRINTED WIRING BOARD PARTS LIST [AV-21Q17/L]

MAIN P.W. BOARD ASS'Y (SCQ-1407A-H2)

⚠Ref No.	Part No.	Part Name	Description Local
IC401	AN15526A	IC	
IC601	AN5279	IC	
IC701	A8897CPBNG-6RJ3	IC(MCU)	(SERVICE)
IC702	ATE08-14UMG7	IC	(SERVICE)
IC704	GP1UE281QKVF	IR DETECT UNIT	
IC921	STR-W6554A-F5	IC	
IC951	TL431/A/-T	IC	
IC971	S78L05-T	IC	
IC972	PQ050RDA1SZ	IC	
IC973	PQ090RDA1SSH	IC	
Q101	2SC5397/CD/-T	TRANSISTOR	
Q102	UN2212-X	DIGI TRANSISTOR	
Q103	2SA812A/5-6/-X	TRANSISTOR	
Q104	2SC1623A/5-6/-X	TRANSISTOR	
Q351	2SC4212/Z1/	TRANSISTOR	
Q352	2SC4212/Z1/	TRANSISTOR	
Q353	2SC4212/Z1/	TRANSISTOR	
Q354	2SA812A/5-6/-X	TRANSISTOR	
Q421	2SC1623A/5-6/-X	TRANSISTOR	
Q422	2SC1623A/5-6/-X	TRANSISTOR	
Q461	RDN050N20	POWER MOS FET	
Q521	2SC2655/Y/-T	TRANSISTOR	
Q522	TT2202-YD	POW TRANSISTOR	
Q571	2SA1208/ST/Z1-T	TRANSISTOR	
Q572	UN2226-X	DIGI TRANSISTOR	
Q601	2SA812A/5-6/-X	TRANSISTOR	
Q602	2SA812A/5-6/-X	TRANSISTOR	
Q603	DTC323TK-X	DIGI TRANSISTOR	
Q604	2SC1623A/5-6/-X	TRANSISTOR	
Q605	2SC1623A/5-6/-X	TRANSISTOR	
Q710	2SA812A/5-6/-X	TRANSISTOR	
Q711	2SA812A/5-6/-X	TRANSISTOR	
Q801	KTA1267/YG/-T	TRANSISTOR	
Q802	UN2226-X	DIGI TRANSISTOR	
Q981	2SC1623A/5-6/-X	TRANSISTOR	
D101	1SS355W-X	DIODE	
D354	MA111-X	SI DIODE	
D355	MA111-X	SI DIODE	
D356	MA111-X	SI DIODE	
D357	MA111-X	SI DIODE	
D423	1N4003SG-T2	SI DIODE	
D424	1SR35-400A-T2	SI DIODE	
D520	MA111-X	SI DIODE	
D521	RH3G-F1	SI DIODE	
D522	RU4AM-LFM1	SI DIODE	
D523	FR105GT-T3	SI DIODE	
D530	FR105GT-T3	SI DIODE	
D551	FR105GT-T3	SI DIODE	
D552	FR105GT-T3	SI DIODE	
D554	MA8091/H/-X	Z DIODE	
D571	MA8075/H/-X	Z DIODE	
D581	FR105GT-T3	SI DIODE	
D591	1SR35-400A-T2	SI DIODE	
D601	MA111-X	SI DIODE	
D602	MA111-X	SI DIODE	
D603	MA111-X	SI DIODE	
D701	MPR3338ST-T16	LED	POWER
D710	MA8039/H/-X	Z DIODE	
D711	MA8091/H/-X	Z DIODE	
D712	MA8091/H/-X	Z DIODE	
D713	MA8091/H/-X	Z DIODE	
D714	MA111-X	SI DIODE	
D715	MA8091/H/-X	Z DIODE	
D716	MA8051/M/-X	Z DIODE	
D717	MA8051/M/-X	Z DIODE	
D718	MA8051/M/-X	Z DIODE	
D719	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D720	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D721	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D722	MA111-X	SI DIODE	
D901	GSIB460-S1	BRIDGE DIODE	
D902	FR105GT-T3	SI DIODE	
D903	FR105GT-T3	SI DIODE	
D904	MA8110/M/-X	Z DIODE	
D905	MTZJ9.1B-T2	Z DIODE	
D906	MTZJ9.1B-T2	Z DIODE	
D907	MTZJ9.1B-T2	Z DIODE	
D908	MTZJ9.1B-T2	Z DIODE	
D909	MTZJ36A-T2	Z DIODE	
D951	RU3AM-LFC4	SI DIODE	
D952	FR105GT-T3	SI DIODE	
D953	FR105GT-T3	SI DIODE	
D954	FR105GT-T3	SI DIODE	
D955	FR105GT-T3	SI DIODE	
D956	1SS133-T2	SI DIODE	
D957	MA8330/M/-X	Z DIODE	
D971	MA111-X	SI DIODE	
D972	MA111-X	SI DIODE	
D981	MA111-X	SI DIODE	
D982	MA111-X	SI DIODE	
C001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C002	QETN1HM-336Z	E CAPACITOR	33uF 50V M
C005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C006	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C008	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C101	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C102	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C103	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C104	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C105	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C106	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C108	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C109	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C111	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C112	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C113	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C351	QFZ0097-103	MM CAPACITOR	0.01uF 1250V K
C352	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C354	NDC31HJ-331X	C CAPACITOR	330pF 50V J
C355	NDC31HJ-271X	C CAPACITOR	270pF 50V J
C356	NDC31HJ-391X	C CAPACITOR	390pF 50V J
C357	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C422	QCS32HJ-180Z	C CAPACITOR	18pF 500V J
C423	NCB31HK-682X	C CAPACITOR	6800pF 50V K
C424	QFLC2AJ-683Z	M CAPACITOR	0.068uF 100V J
C427	QETM1HM-108	E CAPACITOR	1000uF 50V M
C428	QETN1HM-227Z	E CAPACITOR	220uF 50V M
C430	QFLC2AJ-563Z	M CAPACITOR	0.056uF 100V J
C431	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J
C435	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z
C436	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z
C471	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C521	QCB31HK-332Z	C CAPACITOR	3300pF 50V K
C522	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J
C523	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C525	QFZ0196-143	MPP CAPACITOR	0.014uF 1.5kV H
C526	QFZ0196-113	MPP CAPACITOR	0.011uF 1.5kV H
C527	QFZ0197-404	MPP CAPACITOR	0.4uF 250V J
C528	QFP32GJ-393	PP CAPACITOR	0.039uF 400V J
C529	QENC2AM-225Z	BP E CAPACITOR	2.2uF 100V M
C530	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C531	QEZ0195-475Z	BP E CAPACITOR	4.7uF 50V M
C532	QETN2EM-106Z	E CAPACITOR	10uF 250V M
C533	QFZ0197-105	MPP CAPACITOR	1uF 250V J
C542	QFZ0197-823	MPP CAPACITOR	0.082uF 250V J
C551	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C552	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C553	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C554	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C555	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J
C571	QEZ0203-107	E CAPACITOR	100uF 160V M
C572	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C573	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C581	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C591	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C601	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C603	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C604	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C605	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C606	QETN1HM-107Z	E CAPACITOR	100uF 50V M
C607	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C608	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C609	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C610	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C611	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C701	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C702	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C710	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C711	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C712	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C713	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C715	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C716	NCB31HK-822X	C CAPACITOR	8200pF 50V K
C717	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
C718	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J
C719	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M

⚠Ref No.	Part No.	Part Name	Description Local
C720	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C724	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C725	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
C726	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C727	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C728	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C729	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C730	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C731	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
C732	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C733	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C734	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C735	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C736	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C737	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C738	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C739	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C740	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C741	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C743	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C744	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C745	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C747	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C748	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C754	NDC21HJ-100X	C CAPACITOR	10pF 50V J
C755	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C801	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C803	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C804	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C805	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C808	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C809	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C810	QETN1HM-105Z	E CAPACITOR	1uF 50V M
⚠C901	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
⚠C902	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
⚠C903	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
⚠C904	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
⚠C905	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
⚠C906	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
C910	QEZ0476-227	E CAPACITOR	220uF 400V M
C911	QCZ0364-561	C CAPACITOR	560pF 2kV K
C912	QETN1VM-226Z	E CAPACITOR	22uF 35V M
C913	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C914	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C915	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J
C918	QCB32HK-103	C CAPACITOR	0.01uF 500V K
C951	QCZ0364-102	C CAPACITOR	1000pF 2kV K
C952	QCB32HK-471Z	C CAPACITOR	470pF 500V K
C953	QCB32HK-471Z	C CAPACITOR	470pF 500V K
C954	QCB32HK-471Z	C CAPACITOR	470pF 500V K
C955	QCB32HK-471Z	C CAPACITOR	470pF 500V K
C961	QEZ0203-107	E CAPACITOR	100uF 160V M
C963	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C964	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C965	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C966	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C971	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C972	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C973	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C974	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C975	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C976	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C977	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C981	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C983	QETN1CM-107Z	E CAPACITOR	100uF 16V M
⚠C991	QCZ9079-102	C CAPACITOR	1000pF AC250V M
⚠C992	QCZ9079-102	C CAPACITOR	1000pF AC250V M
⚠C993	QCZ9079-102	C CAPACITOR	1000pF AC250V M
C994	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
R001	QRE141J-221Y	C RESISTOR	220Ω 1/4W J
R002	QRE141J-221Y	C RESISTOR	220Ω 1/4W J
R003	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R004	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R005	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R101	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R102	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R103	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R106	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R107	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R108	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R109	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R111	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R112	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R114	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R115	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R117	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R118	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R351	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R352	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R353	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R355	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R356	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R357	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R358	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R359	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R360	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R361	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R362	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R363	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R364	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R365	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R366	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J
R367	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J
R368	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J
R373	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R374	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R421	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R424	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R430	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R431	QRE121J-6R8Y	C RESISTOR	6.8Ω 1/2W J
R432	QRT029J-1R8	MF RESISTOR	1.8Ω 2W J
R433	QRE121J-6R8Y	C RESISTOR	6.8Ω 1/2W J
R440	QRL029J-151	OMF RESISTOR	150Ω 2W J
R448	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J
R461	QRE121J-823Y	C RESISTOR	82kΩ 1/2W J
R462	QRL039J-120	OMF RESISTOR	12Ω 3W J
R471	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
R472	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R520	QRE141J-101Y	C RESISTOR	100Ω 1/4W J
R521	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R522	QRE121J-220Y	C RESISTOR	22Ω 1/2W J
R523	QRL029J-271	OMF RESISTOR	270Ω 2W J
R524	QRL039J-271	OMF RESISTOR	270Ω 3W J
R525	QRL039J-271	OMF RESISTOR	270Ω 3W J
R526	QRL039J-103	OMF RESISTOR	10kΩ 3W J
R527	QRL039J-103	OMF RESISTOR	10kΩ 3W J
R528	QRE121J-471Y	C RESISTOR	470Ω 1/2W J
⚠R530	QRZ9017-270	FUSI RESISTOR	27Ω 1/4W J
R551	QRX029J-R47	MF RESISTOR	0.47Ω 2W J
R552	QRX029J-R47	MF RESISTOR	0.47Ω 2W J
R554	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R570	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J
R571	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R572	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R574	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R575	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R581	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J
R582	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J
R583	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J
⚠R591	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
R592	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R602	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R603	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R605	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R606	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R607	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R608	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R609	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J
R611	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R612	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R613	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R614	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R615	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R616	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R617	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R618	QRT039J-3R3	MF RESISTOR	3.3Ω 3W J
R701	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R703	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R704	QRE121J-560Y	C RESISTOR	56Ω 1/2W J
R705	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R706	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R707	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R708	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R710	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R711	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R712	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R713	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R714	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R715	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R716	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R718	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R719	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R720	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R722	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R723	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R724	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R727	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R729	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R730	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R732	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R733	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R734	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R736	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R737	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R738	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R739	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R740	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R742	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R743	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R744	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R745	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R746	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R747	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R750	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R751	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R752	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R753	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R754	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R760	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R761	QRE141J-105Y	C RESISTOR	1MΩ 1/4W J
R762	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R763	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R801	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R802	QRE121J-221Y	C RESISTOR	220Ω 1/2W J
R803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R806	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R808	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R809	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R810	QRE121J-181Y	C RESISTOR	180Ω 1/2W J
R811	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R901	QAD0143-5R1	N THERMISTOR	5.1Ω
R902	QRL029J-683	OMF RESISTOR	68kΩ 2W J
R903	QRL039J-223	OMF RESISTOR	22kΩ 3W J
R904	QRE121J-680Y	C RESISTOR	68Ω 1/2W J
R905	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J
R906	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R907	QRA14CF-3902Y	CMF RESISTOR	39kΩ 1/4W F
R908	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J
⚠R910	QRZ0107-474Z	C RESISTOR	470kΩ 1/2W K
R951	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R954	QRL029J-223	OMF RESISTOR	22kΩ 2W J
R955	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R956	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R957	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R959	QRA14CF-1503Y	CMF RESISTOR	150kΩ 1/4W F
R960	QRA14CF-2702Y	CMF RESISTOR	27kΩ 1/4W F
R961	QRA14CF-3901Y	CMF RESISTOR	3.9kΩ 1/4W F
R981	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R982	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
⚠R991	QRZ9046-825Z	C RESISTOR	8.2MΩ 1/2W K
L001	QQL244J-4R7Z	P COIL	4.7uH J
L101	QQL244J-4R7Z	P COIL	4.7uH J
L102	QQL244J-2R2Z	PEAKING COIL	2.2uH J
L521	QQLZ036-821	COIL	820uH K
L522	QQR1243-002	LINEARITY COIL	
L523	QQLZ036-101	COIL	100uH K
L551	QQLZ026-160	COIL	16uH
L710	QQL231J-100Y	COIL	10uH J
L711	QQL244J-100Z	COIL	10uH J
L713	QQL231J-100Y	COIL	10uH J
L714	QQL231J-120Y	COIL	12uH J
L715	QQL231J-100Y	COIL	10uH J
L716	QQL244K-560Z	PEAKING COIL	56uH K
L951	QQLZ026-460	COIL	46uH
⚠T521	QQR1229-001	DRIVE TRANSF	
⚠T523	QQR1732-001	PIN TRANSF	
⚠T921	QQS0412-001	SW TRANSF	
CF101	QAX0695-001Z	C FILTER	5.500MHz
CN00A	QJL001-050600-E	SIN CR B-B WIRE	
CN00T	QJL001-052616-E	SIN CR B-B WIRE	
CN00U	QJL001-042616-E	SIN CR B-B WIRE	
CN0E1	QUB130-30A6AS-E	SIN TWIST WIRE	
⚠CP951	QMFZ052-2R0Z-E	FUSE	2A
⚠CP952	ICP-N38-T	IC PROTECTOR	1.5A
⚠CP953	ICP-N25-T	IC PROTECTOR	1.0A
⚠CP954	ICP-N38-T	IC PROTECTOR	1.5A
⚠CP955	ICP-N50-T	IC PROTECTOR	2.0A
⚠F901	QMF51E2-4R0-S	FUSE	4A AC250V
J001	QNN0384-001	PIN JACK	VIDEO,AUDIO IN/OUT(REAR)
J002	QNS0197-001	3.5 JACK	HEADPHONE
J003	QNN0706-001	PIN JACK	VIDEO IN(FRONT)
J004	QNN0706-002	PIN JACK	AUDIO IN(FRONT)
K001	QQR1114-001Z	FERRITE BEADS	
K712	QQR1113-001Z	FERRITE BEADS	
K901	QQR1114-001Z	FERRITE BEADS	
K951	QQR1113-001Z	FERRITE BEADS	
K952	QQR1113-001Z	FERRITE BEADS	
K953	QQR1113-001Z	FERRITE BEADS	
K954	QQR1113-001Z	FERRITE BEADS	
K955	QQR1113-001Z	FERRITE BEADS	
K958	QQR1114-001Z	FERRITE BEADS	
⚠LF901	QQR1635-001	LINE FILTER	
⚠LF902	QQR0673-004	LINE FILTER	
⚠PC901	PS2581AL1/QW/	PHOTO COUPLER	
⚠RY901	QSK0061-001	RELAY	
S701	QSW0619-003Z	PUSH SWITCH	VOL+
S702	QSW0619-003Z	PUSH SWITCH	VOL-
S703	QSW0619-003Z	PUSH SWITCH	CH+
S704	QSW0619-003Z	PUSH SWITCH	CH-
S705	QSW0619-003Z	PUSH SWITCH	MENU
⚠S901	QSW0846-001	PUSH SWITCH	POWER
SF101	QAX0921-001	SAW FILTER	
⚠SK351	QNZ0536-002	CRT SOCKET	
⚠TH901	QAD0134-4R5	P THERMISTOR	4.5Ω
TU001	QAU0466-002	TUNER	
⚠VA901	QAF0060-621	VARISTOR	620V
X710	QAX0717-001Z	CRYSTAL	8.000MHz

PRINTED WIRING BOARD PARTS LIST [AV-21QMG7/S]

MAIN P.W. BOARD ASS'Y (SCQ-1408A-H2)

⚠Ref No.	Part No.	Part Name	Description Local
IC401	AN15526A	IC	
IC601	AN5279	IC	
IC701	A8897CPBNG-6RJ2	IC(MCU)	(SERVICE)
IC702	ATE08-14UMG7	IC	(SERVICE)
IC704	GP1UE281QKVF	IR DETECT UNIT	
IC921	STR-W6554A-F5	IC	
IC951	TL431/A/-T	IC	
IC971	S78L05-T	IC	
IC972	PQ050RDC1SZF	IC	
IC973	PQ090RDC1SZF	IC	
Q101	2SC5397/CD/-T	TRANSISTOR	
Q102	UN2212-X	DIGI TRANSISTOR	
Q103	2SA812A/5-6/-X	TRANSISTOR	
Q104	2SC1623A/5-6/-X	TRANSISTOR	
Q351	2SC4212/Z1/	TRANSISTOR	
Q352	2SC4212/Z1/	TRANSISTOR	
Q353	2SC4212/Z1/	TRANSISTOR	
Q354	2SA812A/5-6/-X	TRANSISTOR	
Q421	2SC1623A/5-6/-X	TRANSISTOR	
Q422	2SC1623A/5-6/-X	TRANSISTOR	
Q461	RDN050N20	POWER MOS FET	
Q521	2SC2655/Y/-T	TRANSISTOR	
Q522	TT2202-YD	POW TRANSISTOR	
Q571	2SA1208/ST/Z1-T	TRANSISTOR	
Q572	UN2226-X	DIGI TRANSISTOR	
Q601	2SA812A/5-6/-X	TRANSISTOR	
Q602	2SA812A/5-6/-X	TRANSISTOR	
Q603	DTC323TK-X	DIGI TRANSISTOR	
Q604	2SC1623A/5-6/-X	TRANSISTOR	
Q605	2SC1623A/5-6/-X	TRANSISTOR	
Q710	2SA812A/5-6/-X	TRANSISTOR	
Q711	2SA812A/5-6/-X	TRANSISTOR	
Q801	KTA1267/YG/-T	TRANSISTOR	
Q802	UN2226-X	DIGI TRANSISTOR	
Q981	2SC1623A/5-6/-X	TRANSISTOR	
D101	1SS355W-X	DIODE	
D354	MA111-X	SI DIODE	
D355	MA111-X	SI DIODE	
D356	MA111-X	SI DIODE	
D357	MA111-X	SI DIODE	
D423	1N4003SG-T2	SI DIODE	
D424	1SR35-400A-T2	SI DIODE	
D520	MA111-X	SI DIODE	
D521	RH3G-F1	SI DIODE	
D522	RU4AM-LFM1	SI DIODE	
D523	FR105GT-T3	SI DIODE	
D530	FR105GT-T3	SI DIODE	
D551	FR105GT-T3	SI DIODE	
D552	FR105GT-T3	SI DIODE	
D554	MA8091/H/-X	Z DIODE	
D571	MA8075/H/-X	Z DIODE	
D581	FR105GT-T3	SI DIODE	
D591	1SR35-400A-T2	SI DIODE	
D601	MA111-X	SI DIODE	
D602	MA111-X	SI DIODE	
D603	MA111-X	SI DIODE	
D701	MPR3338ST-T16	LED	POWER
D710	MA8039/H/-X	Z DIODE	
D711	MA8091/H/-X	Z DIODE	
D712	MA8091/H/-X	Z DIODE	
D713	MA8091/H/-X	Z DIODE	
D714	MA111-X	SI DIODE	
D715	MA8091/H/-X	Z DIODE	
D716	MA8051/M/-X	Z DIODE	
D717	MA8051/M/-X	Z DIODE	
D718	MA8051/M/-X	Z DIODE	
D719	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D720	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D721	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D722	MA111-X	SI DIODE	
D901	GSIB460-S1	BRIDGE DIODE	
D902	FR105GT-T3	SI DIODE	
D903	FR105GT-T3	SI DIODE	
D904	MA8110/M/-X	Z DIODE	
D905	MTZJ9.1B-T2	Z DIODE	
D906	MTZJ9.1B-T2	Z DIODE	
D907	MTZJ9.1B-T2	Z DIODE	
D908	MTZJ9.1B-T2	Z DIODE	
D909	MTZJ36A-T2	Z DIODE	
D951	RU3AM-LFC4	SI DIODE	
D952	FR105GT-T3	SI DIODE	
D953	FR105GT-T3	SI DIODE	
D954	FR105GT-T3	SI DIODE	
D955	FR105GT-T3	SI DIODE	
D956	1SS133-T2	SI DIODE	
D957	MA8330/M/-X	Z DIODE	
D971	MA111-X	SI DIODE	
D972	MA111-X	SI DIODE	
D981	MA111-X	SI DIODE	
D982	MA111-X	SI DIODE	
C001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C002	QETN1HM-336Z	E CAPACITOR	33uF 50V M
C005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C006	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C008	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C101	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C102	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C103	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C104	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C105	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C106	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C108	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C109	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C111	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C112	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C113	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C351	QFZ0097-103	MM CAPACITOR	0.01uF 1250V K
C352	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C354	NDC31HJ-331X	C CAPACITOR	330pF 50V J
C355	NDC31HJ-271X	C CAPACITOR	270pF 50V J
C356	NDC31HJ-391X	C CAPACITOR	390pF 50V J
C357	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C422	QCS32HJ-180Z	C CAPACITOR	18pF 500V J
C423	NCB31HK-682X	C CAPACITOR	6800pF 50V K
C424	QFLC2AJ-683Z	M CAPACITOR	0.068uF 100V J
C427	QETM1HM-108	E CAPACITOR	1000uF 50V M
C428	QETN1HM-227Z	E CAPACITOR	220uF 50V M
C430	QFLC2AJ-563Z	M CAPACITOR	0.056uF 100V J
C431	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J
C435	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z
C436	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z
C471	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C521	QCB31HK-332Z	C CAPACITOR	3300pF 50V K
C522	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J
C523	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C525	QFZ0196-143	MPP CAPACITOR	0.014uF 1.5kV H
C526	QFZ0196-113	MPP CAPACITOR	0.011uF 1.5kV H
C527	QFZ0197-404	MPP CAPACITOR	0.4uF 250V J
C528	QFP32GJ-393	PP CAPACITOR	0.039uF 400V J
C529	QENC2AM-225Z	BP E CAPACITOR	2.2uF 100V M
C530	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C531	QEZ0195-475Z	BP E CAPACITOR	4.7uF 50V M
C532	QETN2EM-106Z	E CAPACITOR	10uF 250V M
C533	QFZ0197-105	MPP CAPACITOR	1uF 250V J
C542	QFZ0197-823	MPP CAPACITOR	0.082uF 250V J
C551	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C552	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C553	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C554	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C555	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J
C571	QEZ0203-107	E CAPACITOR	100uF 160V M
C572	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C573	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C581	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C591	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C601	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C603	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C604	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C605	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C606	QETN1HM-107Z	E CAPACITOR	100uF 50V M
C607	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C608	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C609	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C610	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C611	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C701	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C702	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C710	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C711	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C712	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C713	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C715	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C716	NCB31HK-822X	C CAPACITOR	8200pF 50V K
C717	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
C718	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J
C719	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M

⚠Ref No.	Part No.	Part Name	Description Local
C720	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C724	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C725	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
C726	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C727	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C728	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C729	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C730	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C731	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
C732	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C733	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C734	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C735	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C736	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C737	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C738	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C739	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C740	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C741	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C743	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C744	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C745	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C747	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C748	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C754	NDC21HJ-100X	C CAPACITOR	10pF 50V J
C755	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C801	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C803	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C804	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C805	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C808	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C809	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C810	QETN1HM-105Z	E CAPACITOR	1uF 50V M
⚠C901	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
⚠C902	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
⚠C903	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
⚠C904	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
⚠C905	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
⚠C906	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
C910	QEZ0476-227	E CAPACITOR	220uF 400V M
C911	QCZ0364-561	C CAPACITOR	560pF 2kV K
C912	QETN1VM-226Z	E CAPACITOR	22uF 35V M
C913	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C914	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C915	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J
C918	QCB32HK-103	C CAPACITOR	0.01uF 500V K
C951	QCZ0364-102	C CAPACITOR	1000pF 2kV K
C952	QCB32HK-471Z	C CAPACITOR	470pF 500V K
C953	QCB32HK-471Z	C CAPACITOR	470pF 500V K
C954	QCB32HK-471Z	C CAPACITOR	470pF 500V K
C955	QCB32HK-471Z	C CAPACITOR	470pF 500V K
C961	QEZ0203-107	E CAPACITOR	100uF 160V M
C963	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C964	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C965	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C966	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C971	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C972	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C973	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C974	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C975	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C976	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C977	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C981	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C983	QETN1CM-107Z	E CAPACITOR	100uF 16V M
⚠C991	QCZ9079-102	C CAPACITOR	1000pF AC250V M
⚠C992	QCZ9079-102	C CAPACITOR	1000pF AC250V M
⚠C993	QCZ9079-102	C CAPACITOR	1000pF AC250V M
C994	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
R001	QRE141J-221Y	C RESISTOR	220Ω 1/4W J
R002	QRE141J-221Y	C RESISTOR	220Ω 1/4W J
R003	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R004	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R005	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R101	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R102	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R103	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R106	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R107	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R108	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R109	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R111	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R112	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R114	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R115	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R117	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R118	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R351	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R352	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R353	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R355	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R356	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R357	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R358	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R359	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R360	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R361	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R362	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R363	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R364	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R365	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R366	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J
R367	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J
R368	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J
R373	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R374	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R421	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R424	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R430	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R431	QRE121J-6R8Y	C RESISTOR	6.8Ω 1/2W J
R432	QRT029J-1R8	MF RESISTOR	1.8Ω 2W J
R433	QRE121J-6R8Y	C RESISTOR	6.8Ω 1/2W J
R440	QRL029J-151	OMF RESISTOR	150Ω 2W J
R448	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J
R461	QRE121J-823Y	C RESISTOR	82kΩ 1/2W J
R462	QRL039J-120	OMF RESISTOR	12Ω 3W J
R471	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
R472	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R520	QRE141J-101Y	C RESISTOR	100Ω 1/4W J
R521	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R522	QRE121J-220Y	C RESISTOR	22Ω 1/2W J
R523	QRL029J-271	OMF RESISTOR	270Ω 2W J
R524	QRL039J-271	OMF RESISTOR	270Ω 3W J
R525	QRL039J-271	OMF RESISTOR	270Ω 3W J
R526	QRL039J-103	OMF RESISTOR	10kΩ 3W J
R527	QRL039J-103	OMF RESISTOR	10kΩ 3W J
R528	QRE121J-471Y	C RESISTOR	470Ω 1/2W J
⚠R530	QRZ9017-270	FUSI RESISTOR	27Ω 1/4W J
R551	QRX029J-R47	MF RESISTOR	0.47Ω 2W J
R552	QRX029J-R47	MF RESISTOR	0.47Ω 2W J
R554	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R570	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J
R571	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R572	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R574	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R575	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R581	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J
R582	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J
R583	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J
⚠R591	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
R592	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R602	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R603	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R605	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R606	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R607	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R608	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R609	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J
R611	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R612	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R613	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R614	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R615	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R616	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R617	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R618	QRT039J-3R3	MF RESISTOR	3.3Ω 3W J
R701	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R703	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R704	QRE121J-560Y	C RESISTOR	56Ω 1/2W J
R705	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R706	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R707	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R708	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R710	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R711	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R712	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R713	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R714	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R715	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R716	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R718	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R719	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R720	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R722	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R723	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R724	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R727	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R729	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R730	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R732	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R733	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R734	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R736	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R737	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R738	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R739	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R740	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R742	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R743	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R744	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R745	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R746	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R747	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R750	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R751	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R752	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R753	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R754	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R760	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R761	QRE141J-105Y	C RESISTOR	1MΩ 1/4W J
R762	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R763	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R801	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R802	QRE121J-221Y	C RESISTOR	220Ω 1/2W J
R803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R806	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R808	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R809	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R810	QRE121J-181Y	C RESISTOR	180Ω 1/2W J
R811	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R901	QAD0143-5R1	N THERMISTOR	5.1Ω
R902	QRL029J-683	OMF RESISTOR	68kΩ 2W J
R903	QRL039J-223	OMF RESISTOR	22kΩ 3W J
R904	QRE121J-680Y	C RESISTOR	68Ω 1/2W J
R905	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J
R906	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R907	QRA14CF-3902Y	CMF RESISTOR	39kΩ 1/4W F
R908	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J
⚠R910	QRZ0107-474Z	C RESISTOR	470kΩ 1/2W K
R951	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R954	QRL029J-223	OMF RESISTOR	22kΩ 2W J
R955	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R956	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R957	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R959	QRA14CF-1503Y	CMF RESISTOR	150kΩ 1/4W F
R960	QRA14CF-2702Y	CMF RESISTOR	27kΩ 1/4W F
R961	QRA14CF-3901Y	CMF RESISTOR	3.9kΩ 1/4W F
R981	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R982	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
⚠R991	QRZ9046-825Z	C RESISTOR	8.2MΩ 1/2W K
L001	QQL244J-4R7Z	P COIL	4.7uH J
L101	QQL244J-4R7Z	P COIL	4.7uH J
L102	QQL244J-2R2Z	PEAKING COIL	2.2uH J
L521	QQLZ036-821	COIL	820uH K
L522	QQR1243-002	LINEARITY COIL	
L523	QQLZ036-101	COIL	100uH K
L551	QQLZ026-160	COIL	16uH
L710	QQL231J-100Y	COIL	10uH J
L711	QQL244J-100Z	COIL	10uH J
L713	QQL231J-100Y	COIL	10uH J
L714	QQL231J-120Y	COIL	12uH J
L715	QQL231J-100Y	COIL	10uH J
L716	QQL244K-560Z	PEAKING COIL	56uH K
L951	QQLZ026-460	COIL	46uH
⚠T521	QQR1229-001	DRIVE TRANSF	
⚠T523	QQR1732-001	PIN TRANSF	
⚠T921	QQS0412-001	SW TRANSF	
CF101	QAX0695-001Z	C FILTER	5.500MHz
CN00A	QJL001-050600-E	SIN CR B-B WIRE	
CN00T	QJL001-052616-E	SIN CR B-B WIRE	
CN00U	QJL001-042616-E	SIN CR B-B WIRE	
CN0E1	QUB130-30A6AS-E	SIN TWIST WIRE	
⚠CP951	QMFZ052-2R0Z-E	FUSE	2A
⚠CP952	ICP-N38-T	IC PROTECTOR	1.5A
⚠CP953	ICP-N25-T	IC PROTECTOR	1.0A
⚠CP954	ICP-N38-T	IC PROTECTOR	1.5A
⚠CP955	ICP-N50-T	IC PROTECTOR	2.0A
⚠F901	QMF51E2-4R0-S	FUSE	4A AC250V
J001	QNN0384-001	PIN JACK	VIDEO,AUDIO IN/OUT(REAR)
J002	QNS0197-001	3.5 JACK	HEADPHONE
J003	QNN0706-001	PIN JACK	VIDEO IN(FRONT)
J004	QNN0706-002	PIN JACK	AUDIO IN(FRONT)
K001	QQR1114-001Z	FERRITE BEADS	
K712	QQR1113-001Z	FERRITE BEADS	
K901	QQR1114-001Z	FERRITE BEADS	
K951	QQR1113-001Z	FERRITE BEADS	
K952	QQR1113-001Z	FERRITE BEADS	
K953	QQR1113-001Z	FERRITE BEADS	
K954	QQR1113-001Z	FERRITE BEADS	
K955	QQR1113-001Z	FERRITE BEADS	
K958	QQR1114-001Z	FERRITE BEADS	
⚠LF901	QQR1635-001	LINE FILTER	
⚠LF902	QQR0673-004	LINE FILTER	
⚠PC901	PS2581AL1/QW/	PHOTO COUPLER	
⚠RY901	QSK0061-001	RELAY	
S701	QSW0619-003Z	PUSH SWITCH	VOL+
S702	QSW0619-003Z	PUSH SWITCH	VOL-
S703	QSW0619-003Z	PUSH SWITCH	CH+
S704	QSW0619-003Z	PUSH SWITCH	CH-
S705	QSW0619-003Z	PUSH SWITCH	MENU
⚠S901	QSW0846-001	PUSH SWITCH	POWER
SF101	QAX0921-001	SAW FILTER	
⚠SK351	QNZ0536-002	CRT SOCKET	
⚠TH901	QAD0134-4R5	P THERMISTOR	4.5Ω
TU001	QAU0383-002	TUNER	
⚠VA901	QAF0060-621	VARISTOR	620V
X710	QAX0717-001Z	CRYSTAL	8.000MHz

PRINTED WIRING BOARD PARTS LIST [AV-21QMG7/G,AV-21QMG7B/G]

MAIN P.W. BOARD ASS'Y (SCQ-1401A-H2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC401	AN15526A	IC		
IC601	AN5279	IC		
IC701	A8897CPBNG-6RJ2	IC(MCU)	(SERVICE)	
IC702	ATE08-14UMG7	IC	(SERVICE)	
IC704	GP1UE281QKVF	IR DETECT UNIT		
IC921	STR-W6554A-F5	IC		
IC951	TL431/A/-T	IC		
IC971	S78L05-T	IC		
IC972	PQ050RDA1SZ	IC		
IC973	PQ090RDA1SSH	IC		
Q101	2SC5397/CD/-T	TRANSISTOR		
Q102	UN2212-X	DIGI TRANSISTOR		
Q103	2SA812A/5-6/-X	TRANSISTOR		
Q104	2SC1623A/5-6/-X	TRANSISTOR		
Q351	2SC4212/Z1/	TRANSISTOR		
Q352	2SC4212/Z1/	TRANSISTOR		
Q353	2SC4212/Z1/	TRANSISTOR		
Q354	2SA812A/5-6/-X	TRANSISTOR		
Q421	2SC1623A/5-6/-X	TRANSISTOR		
Q422	2SC1623A/5-6/-X	TRANSISTOR		
Q461	RDN050N20	POWER MOS FET		
Q521	2SC2655/Y/-T	TRANSISTOR		
Q522	TT2202-YD	POW TRANSISTOR		
Q571	2SA1208/ST/Z1-T	TRANSISTOR		
Q572	UN2226-X	DIGI TRANSISTOR		
Q601	2SA812A/5-6/-X	TRANSISTOR		
Q602	2SA812A/5-6/-X	TRANSISTOR		
Q603	DTC323TK-X	DIGI TRANSISTOR		
Q604	2SC1623A/5-6/-X	TRANSISTOR		
Q605	2SC1623A/5-6/-X	TRANSISTOR		
Q710	2SA812A/5-6/-X	TRANSISTOR		
Q711	2SA812A/5-6/-X	TRANSISTOR		
Q801	KTA1267/YG/-T	TRANSISTOR		
Q802	UN2226-X	DIGI TRANSISTOR		
Q981	2SC1623A/5-6/-X	TRANSISTOR		
D101	1SS355W-X	DIODE		
D354	MA111-X	SI DIODE		
D355	MA111-X	SI DIODE		
D356	MA111-X	SI DIODE		
D357	MA111-X	SI DIODE		
D423	1N4003SG-T2	SI DIODE		
D424	1SR35-400A-T2	SI DIODE		
D520	MA111-X	SI DIODE		
D521	RH3G-F1	SI DIODE		
D522	RU4AM-LFM1	SI DIODE		
D523	FR105GT-T3	SI DIODE		
D530	FR105GT-T3	SI DIODE		
D551	FR105GT-T3	SI DIODE		
D552	FR105GT-T3	SI DIODE		
D554	MA8091/H/-X	Z DIODE		
D571	MA8075/H/-X	Z DIODE		
D581	FR105GT-T3	SI DIODE		
D591	1SR35-400A-T2	SI DIODE		
D601	MA111-X	SI DIODE		
D602	MA111-X	SI DIODE		
D603	MA111-X	SI DIODE		
D701	MPR3338ST-T16	LED	POWER	
D710	MA8039/H/-X	Z DIODE		
D711	MA8091/H/-X	Z DIODE		
D712	MA8091/H/-X	Z DIODE		
D713	MA8091/H/-X	Z DIODE		
D714	MA111-X	SI DIODE		
D715	MA8091/H/-X	Z DIODE		
D716	MA8051/M/-X	Z DIODE		
D717	MA8051/M/-X	Z DIODE		
D718	MA8051/M/-X	Z DIODE		
D719	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
D720	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
D721	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
D722	MA111-X	SI DIODE		
D901	GSIB460-S1	BRIDGE DIODE		
D902	FR105GT-T3	SI DIODE		
D903	FR105GT-T3	SI DIODE		
D904	MA8110/M/-X	Z DIODE		
D905	MTZJ9.1B-T2	Z DIODE		
D906	MTZJ9.1B-T2	Z DIODE		
D907	MTZJ9.1B-T2	Z DIODE		
D908	MTZJ9.1B-T2	Z DIODE		
D909	MTZJ36A-T2	Z DIODE		
D951	RU3AM-LFC4	SI DIODE		
D952	FR105GT-T3	SI DIODE		
D953	FR105GT-T3	SI DIODE		
D954	FR105GT-T3	SI DIODE		
D955	FR105GT-T3	SI DIODE		
D956	1SS133-T2	SI DIODE		
D957	MA8330/M/-X	Z DIODE		
D971	MA111-X	SI DIODE		
D972	MA111-X	SI DIODE		
D981	MA111-X	SI DIODE		
D982	MA111-X	SI DIODE		
C001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C002	QETN1HM-336Z	E CAPACITOR	33uF 50V M	
C005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C006	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C008	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C101	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C102	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C103	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C104	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C105	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C106	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C108	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C109	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C111	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C112	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C113	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C351	QFZ0097-103	MM CAPACITOR	0.01uF 1250V K	
C352	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C354	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C355	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C356	NDC31HJ-391X	C CAPACITOR	390pF 50V J	
C357	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C422	QCS32HJ-180Z	C CAPACITOR	18pF 500V J	
C423	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C424	QFLC2AJ-683Z	M CAPACITOR	0.068uF 100V J	
C427	QETM1HM-108	E CAPACITOR	1000uF 50V M	
C428	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C430	QFLC2AJ-563Z	M CAPACITOR	0.056uF 100V J	
C431	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C435	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z	
C436	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z	
C471	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C521	QCB31HK-332Z	C CAPACITOR	3300pF 50V K	
C522	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C523	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C525	QFZ0196-143	MPP CAPACITOR	0.014uF 1.5kV H	
C526	QFZ0196-113	MPP CAPACITOR	0.011uF 1.5kV H	
C527	QFZ0197-404	MPP CAPACITOR	0.4uF 250V J	
C528	QFP32GJ-393	PP CAPACITOR	0.039uF 400V J	
C529	QENC2AM-225Z	BP E CAPACITOR	2.2uF 100V M	
C530	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C531	QEZ0195-475Z	BP E CAPACITOR	4.7uF 50V M	
C532	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C533	QFZ0197-105	MPP CAPACITOR	1uF 250V J	
C542	QFZ0197-823	MPP CAPACITOR	0.082uF 250V J	
C551	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C552	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C553	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C554	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C555	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J	
C571	QEZ0203-107	E CAPACITOR	100uF 160V M	
C572	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C573	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C581	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C591	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C601	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C603	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C604	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C605	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C606	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C607	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C608	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C609	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C610	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C611	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C701	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C702	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C710	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C711	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C712	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C713	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C715	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C716	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C717	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C718	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C719	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	

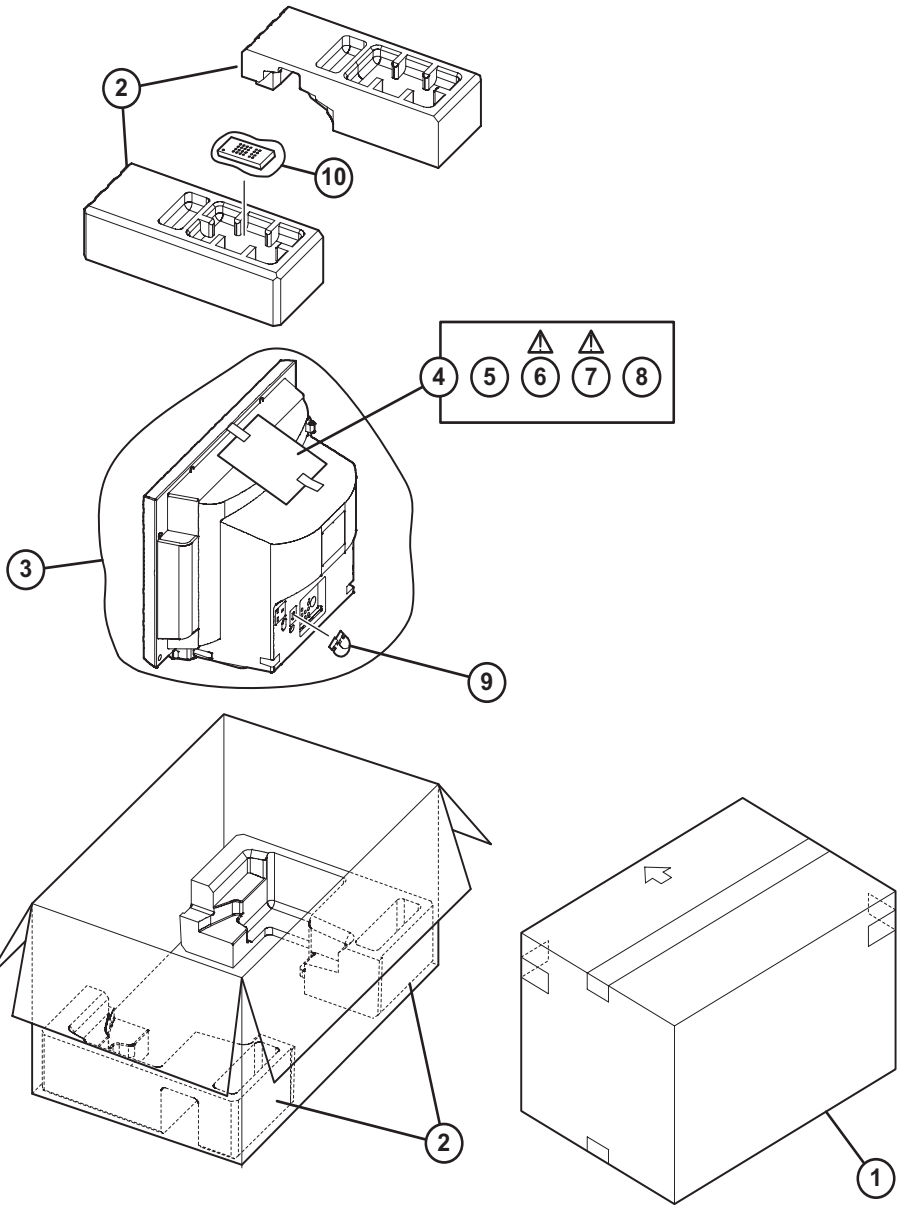
⚠Ref No.	Part No.	Part Name	Description	Local
C720	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C724	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C725	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C726	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C727	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C728	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C729	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C730	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C731	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C732	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C733	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C734	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C735	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C736	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C737	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C738	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C739	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C740	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C741	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C743	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C744	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C745	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C747	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C748	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C754	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C755	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C801	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C803	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C804	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C805	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C808	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C809	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C810	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
⚠C901	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K	
⚠C902	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K	
⚠C903	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K	
⚠C904	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z	
⚠C905	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z	
⚠C906	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z	
C910	QEZ0476-227	E CAPACITOR	220uF 400V M	
C911	QCZ0364-561	C CAPACITOR	560pF 2kV K	
C912	QETN1VM-226Z	E CAPACITOR	22uF 35V M	
C913	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C914	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C915	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	
C918	QCB32HK-103	C CAPACITOR	0.01uF 500V K	
C951	QCZ0364-102	C CAPACITOR	1000pF 2kV K	
C952	QCB32HK-471Z	C CAPACITOR	470pF 500V K	
C953	QCB32HK-471Z	C CAPACITOR	470pF 500V K	
C954	QCB32HK-471Z	C CAPACITOR	470pF 500V K	
C955	QCB32HK-471Z	C CAPACITOR	470pF 500V K	
C961	QEZ0203-107	E CAPACITOR	100uF 160V M	
C963	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C964	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C965	QETN1VM-477Z	E CAPACITOR	470uF 35V M	
C966	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C971	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C972	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C973	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C974	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C975	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C976	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C977	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C981	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C983	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
⚠C991	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
⚠C992	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
⚠C993	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
C994	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J	
R001	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R002	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R003	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R004	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R005	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R101	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R102	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R103	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R106	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R107	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R108	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R109	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R111	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R112	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R114	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R115	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R117	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R118	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R351	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R352	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R353	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R355	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R356	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R357	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R358	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R359	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R360	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K	
R361	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K	
R362	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K	
R363	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R364	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R365	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R366	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
R367	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
R368	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
R373	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R374	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R421	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R424	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R430	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R431	QRE121J-6R8Y	C RESISTOR	6.8Ω 1/2W J	
R432	QRT029J-1R8	MF RESISTOR	1.8Ω 2W J	
R433	QRE121J-6R8Y	C RESISTOR	6.8Ω 1/2W J	
R440	QRL029J-151	OMF RESISTOR	150Ω 2W J	
R448	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J	
R461	QRE121J-823Y	C RESISTOR	82kΩ 1/2W J	
R462	QRL039J-120	OMF RESISTOR	12Ω 3W J	
R471	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R472	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R520	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R521	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R522	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
R523	QRL029J-271	OMF RESISTOR	270Ω 2W J	
R524	QRL039J-271	OMF RESISTOR	270Ω 3W J	
R525	QRL039J-271	OMF RESISTOR	270Ω 3W J	
R526	QRL039J-103	OMF RESISTOR	10kΩ 3W J	
R527	QRL039J-103	OMF RESISTOR	10kΩ 3W J	
R528	QRE121J-471Y	C RESISTOR	470Ω 1/2W J	
⚠R530	QRZ9017-270	FUSI RESISTOR	27Ω 1/4W J	
R551	QRX029J-R47	MF RESISTOR	0.47Ω 2W J	
R552	QRX029J-R47	MF RESISTOR	0.47Ω 2W J	
R554	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R570	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J	
R571	QRT029J-1R0	MF RESISTOR	1Ω 2W J	
R572	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J	
R574	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	
R575	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R581	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J	
R582	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J	
R583	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
⚠R591	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	
R592	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R602	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R603	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R605	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R606	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R607	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R608	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R609	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J	
R611	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R612	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R613	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R614	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R615	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R616	QRE121J-271Y	C RESISTOR	270Ω 1/2W J	
R617	QRE121J-271Y	C RESISTOR	270Ω 1/2W J	
R618	QRT039J-3R3	MF RESISTOR	3.3Ω 3W J	
R701	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R703	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R704	QRE121J-560Y	C RESISTOR	56Ω 1/2W J	
R705	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R706	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R707	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R708	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R710	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R711	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R712	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R713	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R714	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R715	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R716	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R718	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R719	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R720	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R722	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R723	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R724	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R727	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R729	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R730	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R732	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R733	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R734	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R736	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R737	QRE121J-271Y	C RESISTOR	270Ω 1/2W J	
R738	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R739	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R740	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R742	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R743	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R744	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R745	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R746	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R747	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R750	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R751	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R752	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R753	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R754	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R760	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R761	QRE141J-105Y	C RESISTOR	1MΩ 1/4W J	
R762	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R763	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R801	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R802	QRE121J-221Y	C RESISTOR	220Ω 1/2W J	
R803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R806	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R808	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R809	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R810	QRE121J-181Y	C RESISTOR	180Ω 1/2W J	
R811	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R901	QAD0143-5R1	N THERMISTOR	5.1Ω	
R902	QRL029J-683	OMF RESISTOR	68kΩ 2W J	
R903	QRL039J-223	OMF RESISTOR	22kΩ 3W J	
R904	QRE121J-680Y	C RESISTOR	68Ω 1/2W J	
R905	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R906	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R907	QRA14CF-3902Y	CMF RESISTOR	39kΩ 1/4W F	
R908	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
⚠R910	QRZ0107-474Z	C RESISTOR	470kΩ 1/2W K	
R951	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R954	QRL029J-223	OMF RESISTOR	22kΩ 2W J	
R955	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R956	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R957	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R959	QRA14CF-1503Y	CMF RESISTOR	150kΩ 1/4W F	
R960	QRA14CF-2702Y	CMF RESISTOR	27kΩ 1/4W F	
R961	QRA14CF-3901Y	CMF RESISTOR	3.9kΩ 1/4W F	
R981	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R982	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
⚠R991	QRZ9046-825Z	C RESISTOR	8.2MΩ 1/2W K	
L001	QQL244J-4R7Z	P COIL	4.7uH J	
L101	QQL244J-4R7Z	P COIL	4.7uH J	
L102	QQL244J-2R2Z	PEAKING COIL	2.2uH J	
L521	QQLZ036-821	COIL	820uH K	
L522	QQR1243-002	LINEARITY COIL		
L523	QQLZ036-101	COIL	100uH K	
L551	QQLZ026-160	COIL	16uH	
L710	QQL231J-100Y	COIL	10uH J	
L711	QQL244J-100Z	COIL	10uH J	
L713	QQL231J-100Y	COIL	10uH J	
L714	QQL231J-120Y	COIL	12uH J	
L715	QQL231J-100Y	COIL	10uH J	
L716	QQL244K-560Z	PEAKING COIL	56uH K	
L951	QQLZ026-460	COIL	46uH	
⚠T521	QQR1229-001	DRIVE TRANSF		
⚠T523	QQR1732-001	PIN TRANSF		
⚠T921	QQS0412-001	SW TRANSF		
CF101	QAX0695-001Z	C FILTER	5.500MHz	
CN00A	QJL001-050600-E	SIN CR B-B WIRE		
CN00T	QJL001-052616-E	SIN CR B-B WIRE		
CN00U	QJL001-042616-E	SIN CR B-B WIRE		
CN0E1	QUB130-30A6AS-E	SIN TWIST WIRE		
⚠CP951	QMFZ052-2R0Z-E	FUSE	2A	
⚠CP952	ICP-N38-T	IC PROTECTOR	1.5A	
⚠CP953	ICP-N25-T	IC PROTECTOR	1.0A	
⚠CP954	ICP-N38-T	IC PROTECTOR	1.5A	
⚠CP955	ICP-N50-T	IC PROTECTOR	2.0A	
⚠F901	QMF51E2-4R0-S	FUSE	4A AC250V	
J001	QNN0384-001	PIN JACK	VIDEO,AUDIO IN/OUT(REAR)	
J002	QNS0197-001	3.5 JACK	HEADPHONE	
J003	QNN0706-001	PIN JACK	VIDEO IN(FRONT)	
J004	QNN0706-002	PIN JACK	AUDIO IN(FRONT)	
K001	QQR1114-001Z	FERRITE BEADS		
K712	QQR1113-001Z	FERRITE BEADS		
K901	QQR1114-001Z	FERRITE BEADS		
K951	QQR1113-001Z	FERRITE BEADS		
K952	QQR1113-001Z	FERRITE BEADS		
K953	QQR1113-001Z	FERRITE BEADS		
K954	QQR1113-001Z	FERRITE BEADS		
K955	QQR1113-001Z	FERRITE BEADS		
K958	QQR1114-001Z	FERRITE BEADS		
⚠LF901	QQR1635-001	LINE FILTER		
⚠LF902	QQR0673-004	LINE FILTER		
⚠PC901	PS2581AL1/QW/	PHOTO COUPLER		
⚠RY901	QSK0061-001	RELAY		
S701	QSW0619-003Z	PUSH SWITCH	VOL+	
S702	QSW0619-003Z	PUSH SWITCH	VOL-	
S703	QSW0619-003Z	PUSH SWITCH	CH+	
S704	QSW0619-003Z	PUSH SWITCH	CH-	
S705	QSW0619-003Z	PUSH SWITCH	MENU	
⚠S901	QSW0846-001	PUSH SWITCH	POWER	
SF101	QAX0921-001	SAW FILTER		
⚠SK351	QNZ0536-002	CRT SOCKET		
⚠TH901	QAD0134-4R5	P THERMISTOR	4.5Ω	
TU001	QAU0466-002	TUNER		
⚠VA901	QAF0060-621	VARISTOR	620V	
X710	QAX0717-001Z	CRYSTAL	8.000MHz	

REMOTE CONTROL UNIT PARTS LIST (RM-C1150-1H)

⚠	Ref.No.	Part No.	Part Name	Description	Local
		R56-1400	BATTERY COVER		

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	GG10285-017B-H	PACKING CASE		AV-2100QE,AV-21Q17,AV-21Q17L,AV-21QMG7S
	1	GG10282-047B-H	PACKING CASE		AV-21QMG7G,AV-21QMG7BG
	2	GG10483-001A-H	CUSHION ASSY	4pcs in 1set	
	3	GG30097-003B-H	POLY BAG		
	4	GG30096-001B-H	POLY BAG		
	5	----------	BATTERY	AA/R6(x2)	
⚠	6	GGT0180-001A-H	INST BOOK	Ukrainian/Russain	AV-2100QE
⚠	6	GGT0177-001A-H	INST BOOK	English	AV-21Q17,AV-21Q17L,AV-21QMG7G,AV-21QMG7S,AV-21QMG7BG
⚠	7	GGT0179-001A-H	INST BOOK	Chinese/Russain	AV-21Q17
⚠	7	GGT0178-001A-H	INST BOOK	Chinese/Russain	AV-21QMG7G,AV-21QMG7S,AV-21QMG7BG
	8	----------	WARRANTY CARD	BT-54031-1H	AV-2100QE
	9	GG40042-001A-H	CORD CLAMP R/C		
	10	RM-C1150-1H	REMOTE CONTROL UNIT		

JVC

SERVICE MANUAL

COLOUR TELEVISION

AV-2100QE/KSK,
AV-2100QE/NSK

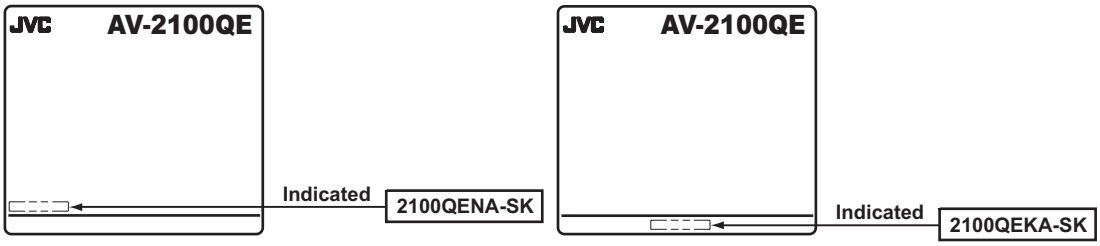
BASIC CHASSIS
CQ

Supplementary

AV-2100QE/KSK and AV-2100QE/NSK are the models whose production place and destination were changed from that of AV-2100QE.
Therefore, this service manual describes only the items which differ from those of the AV-2100QE service manual.
For details other than those described in this manual, please refer to the AV-2100QE service manual (No.YA552, 2007/9).

HOW TO IDENTIFY MODELS

Distinguish name is added at the bottom of the rating label.



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No.YA552B
2007/10

DIFFERENCE LIST

USING P.W. BOARD (Page 3-2)

P.W.B ASS'Y Name	AV-2100QE	AV-2100QE/KSK	DESCRIPTION
MAIN PWB	SCQ-1403A-H2	SCQ-1406A-H2	Compatible(Change only in PWB ASS'Y No.)

P.W.B ASS'Y Name	AV-2100QE	AV-2100QE/NSK	DESCRIPTION
MAIN PWB	SCQ-1403A-H2	SCQ-1409A-H2	No compatible
CRT SOCKET PWB	---	SCQ-3003A-H2	

EXPLODED VIEW PARTS LIST (Page 3-3)

⚠	Ref. No.	Part No.		PART NAME	DESCRIPTION
		AV-2100QE	AV-2100QE/KSK		
⚠	30	SCQ-1403A-H2	SCQ-1406A-H2	MAIN PWB	
⚠	100	GG10478-009A-H	GG10478-009A-HK	FRONT CABINET ASSY	Inc.101-103

⚠	Ref. No.	Part No.		PART NAME	DESCRIPTION
		AV-2100QE	AV-2100QE/NSK		
⚠	30	SCQ-1403A-H2	SCQ-1409A-H2	MAIN PWB	
⚠	30	---	SCQ-3003A-H2	CRT SOCKET PWB	
⚠	100	GG10478-009A-H	GG10478-009A-HK	FRONT CABINET ASSY	Inc.101-103

PRINTED WIRING BOARD PARTS LIST [AV-2100QE/NSK]

As there are many difference points, all parts are listed. Please refer to the PARTS LIST for details.

PARTS LIST

PRINTED WIRING BOARD PARTS LIST [AV-2100QE/NSK]

MAIN P.W. BOARD ASS'Y (SCQ-1409A-H2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC401	AN15526A	IC		
IC601	AN5279	IC		
IC701	A8897CPBNG-6RJ3	IC(MCU)	(SERVICE)	
IC702	ATE08-14UMG7	IC	(SERVICE)	
IC704	GP1UE281QKVF	IR DETECT UNIT		
IC921	STR-W6554A-F5	IC		
IC951	TL431/A/-T	IC		
IC971	S78L05-T	IC		
IC972	PQ050RDC1SZF	IC		
IC973	PQ090RDA1SSH	IC		
Q101	2SC5397/CD/-T	TRANSISTOR		
Q102	UN2212-X	DIGI TRANSISTOR		
Q421	2SC1623A/5-6/-X	TRANSISTOR		
Q422	2SC1623A/5-6/-X	TRANSISTOR		
Q461	RDN050N20	POWER MOS FET		
Q521	2SC2655/Y/-T	TRANSISTOR		
Q522	TT2202-YD	POW TRANSISTOR		
Q571	2SA1208/ST/Z1-T	TRANSISTOR		
Q572	UN2226-X	DIGI TRANSISTOR		
Q601	2SA812A/5-6/-X	TRANSISTOR		
Q602	2SA812A/5-6/-X	TRANSISTOR		
Q603	DTC323TK-X	DIGI TRANSISTOR		
Q604	2SC1623A/5-6/-X	TRANSISTOR		
Q605	2SC1623A/5-6/-X	TRANSISTOR		
Q710	2SA812A/5-6/-X	TRANSISTOR		
Q711	2SA812A/5-6/-X	TRANSISTOR		
Q801	KTA1267/YG/-T	TRANSISTOR		
Q802	UN2226-X	DIGI TRANSISTOR		
Q981	2SC1623A/5-6/-X	TRANSISTOR		
D101	1SS355W-X	DIODE		
D423	1N4003SG-T2	SI DIODE		
D424	1SR35-400A-T2	SI DIODE		
D520	MA111-X	SI DIODE		
D521	RH3G-F1	SI DIODE		
D522	RU4AM-LFM1	SI DIODE		
D523	FR105GT-T3	SI DIODE		
D530	FR105GT-T3	SI DIODE		
D551	FR105GT-T3	SI DIODE		
D552	FR105GT-T3	SI DIODE		
D554	MA8091/H/-X	Z DIODE		
D571	MA8075/H/-X	Z DIODE		
D581	FR105GT-T3	SI DIODE		
D591	1SR35-400A-T2	SI DIODE		
D601	MA111-X	SI DIODE		
D602	MA111-X	SI DIODE		
D603	MA111-X	SI DIODE		
D701	MPR3338ST-T16	LED	POWER	
D710	MA8039/H/-X	Z DIODE		
D711	MA8091/H/-X	Z DIODE		
D712	MA8091/H/-X	Z DIODE		
D713	MA8091/H/-X	Z DIODE		
D714	MA111-X	SI DIODE		
D715	MA8091/H/-X	Z DIODE		
D716	MA8051/M/-X	Z DIODE		
D717	MA8051/M/-X	Z DIODE		
D718	MA8051/M/-X	Z DIODE		
D719	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
D720	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
D721	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
D722	MA111-X	SI DIODE		
D901	GSIB460-S1	BRIDGE DIODE		
D902	FR105GT-T3	SI DIODE		
D903	FR105GT-T3	SI DIODE		
D904	MA8110/M/-X	Z DIODE		
D905	MTZJ9.1B-T2	Z DIODE		
D906	MTZJ9.1B-T2	Z DIODE		
D907	MTZJ9.1B-T2	Z DIODE		
D908	MTZJ9.1B-T2	Z DIODE		
D909	MTZJ36A-T2	Z DIODE		
D951	RU3AM-LFC4	SI DIODE		
D952	FR105GT-T3	SI DIODE		
D953	FR105GT-T3	SI DIODE		
D954	FR105GT-T3	SI DIODE		
D955	FR105GT-T3	SI DIODE		
D956	1SS133-T2	SI DIODE		
D957	MA8330/M/-X	Z DIODE		
D971	MA111-X	SI DIODE		
D972	MA111-X	SI DIODE		
D981	MA111-X	SI DIODE		
D982	MA111-X	SI DIODE		
C001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C002	QETN1HM-336Z	E CAPACITOR	33uF 50V M	
C005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C006	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C008	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C101	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C102	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C103	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C104	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C105	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C106	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C108	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C109	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C422	QCS32HJ-180Z	C CAPACITOR	18pF 500V J	
C423	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C424	QFLC2AJ-683Z	M CAPACITOR	0.068uF 100V J	
C427	QETM1HM-108	E CAPACITOR	1000uF 50V M	
C428	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C430	QFLC2AJ-563Z	M CAPACITOR	0.056uF 100V J	
C431	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C435	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z	
C436	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z	
C471	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C521	QCB31HK-332Z	C CAPACITOR	3300pF 50V K	
C522	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C523	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C525	QFZ0196-103	MPP CAPACITOR	0.01uF 1.5kV H	
C526	QFZ0196-143	MPP CAPACITOR	0.014uF 1.5kV H	
C527	QFZ0197-564	MPP CAPACITOR	0.56uF 250V J	
C528	QFP32GJ-273	PP CAPACITOR	0.027uF 400V J	
C529	QENC2AM-225Z	BP E CAPACITOR	2.2uF 100V M	
C530	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C531	QEZ0195-475Z	BP E CAPACITOR	4.7uF 50V M	
C532	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C533	QFZ0197-684	MPP CAPACITOR	0.68uF 250V J	
C542	QFZ0197-823	MPP CAPACITOR	0.082uF 250V J	
C551	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C552	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C553	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C554	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C555	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J	
C571	QEZ0203-107	E CAPACITOR	100uF 160V M	
C572	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C573	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C581	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C591	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C601	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C603	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C604	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C605	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C606	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C607	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C608	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C609	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C610	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C611	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C701	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C702	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C710	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C711	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C712	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C713	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C715	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C716	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C717	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C718	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C719	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C720	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C724	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C725	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C726	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C727	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C728	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C729	QETN1HM-106Z	E CAPACITOR	10uF 50V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C730	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C731	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C732	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C733	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C734	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C735	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C736	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C737	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C738	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C739	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C740	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C741	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C743	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C744	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C745	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C747	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C748	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C754	NDC21HJ-100X	C CAPACITOR	10pF 50V J	
C755	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C801	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C803	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C804	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C805	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C808	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C809	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C810	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
⚠C901	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K	
⚠C902	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K	
⚠C903	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K	
⚠C904	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z	
⚠C905	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z	
⚠C906	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z	
C910	QEZ0633-227	E CAPACITOR	220uF 450V M	
C911	QCZ0364-561	C CAPACITOR	560pF 2kV K	
C912	QETN1VM-226Z	E CAPACITOR	22uF 35V M	
C913	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C914	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C915	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	
C918	QCB32HK-103	C CAPACITOR	0.01uF 500V K	
C951	QCZ0364-102	C CAPACITOR	1000pF 2kV K	
C952	QCB32HK-471Z	C CAPACITOR	470pF 500V K	
C953	QCB32HK-471Z	C CAPACITOR	470pF 500V K	
C954	QCB32HK-471Z	C CAPACITOR	470pF 500V K	
C955	QCB32HK-471Z	C CAPACITOR	470pF 500V K	
C961	QEZ0203-107	E CAPACITOR	100uF 160V M	
C963	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C964	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C965	QETN1VM-477Z	E CAPACITOR	470uF 35V M	
C966	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C971	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C972	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C973	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C974	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C975	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C976	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C977	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C981	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C983	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
⚠C991	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
⚠C992	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
⚠C993	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
C994	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J	
R001	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R002	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R003	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R004	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R005	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R101	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R102	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R103	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R106	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R107	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R108	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R109	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R421	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R424	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R430	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R431	QRE121J-6R8Y	C RESISTOR	6.8Ω 1/2W J	
R432	QRT029J-1R8	MF RESISTOR	1.8Ω 2W J	
R433	QRE121J-6R8Y	C RESISTOR	6.8Ω 1/2W J	
R440	QRL029J-151	OMF RESISTOR	150Ω 2W J	
R448	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J	
R461	QRE121J-823Y	C RESISTOR	82kΩ 1/2W J	
R462	QRL039J-120	OMF RESISTOR	12Ω 3W J	
R471	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R472	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R520	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R521	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R522	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
R523	QRL029J-271	OMF RESISTOR	270Ω 2W J	
R524	QRL039J-271	OMF RESISTOR	270Ω 3W J	
R525	QRL039J-271	OMF RESISTOR	270Ω 3W J	
R527	QRL039J-103	OMF RESISTOR	10kΩ 3W J	
R528	QRE121J-471Y	C RESISTOR	470Ω 1/2W J	
⚠R530	QRZ9017-270	FUSI RESISTOR	27Ω 1/4W J	
R551	QRX029J-R47	MF RESISTOR	0.47Ω 2W J	
R552	QRX029J-R47	MF RESISTOR	0.47Ω 2W J	
R554	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R570	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J	
R571	QRT029J-1R0	MF RESISTOR	1Ω 2W J	
R572	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J	
R574	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	
R575	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R581	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J	
R582	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J	
R583	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
⚠R591	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	
R592	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R602	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R603	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R605	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R606	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R607	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R608	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R609	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J	
R611	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R612	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R613	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R614	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R615	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R616	QRE121J-271Y	C RESISTOR	270Ω 1/2W J	
R617	QRE121J-271Y	C RESISTOR	270Ω 1/2W J	
R618	QRT039J-3R3	MF RESISTOR	3.3Ω 3W J	
R701	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R703	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R704	QRE121J-560Y	C RESISTOR	56Ω 1/2W J	
R705	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R706	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R707	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R708	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R710	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R711	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R712	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R713	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R714	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R715	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R716	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R718	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R719	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R720	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R722	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R723	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R724	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R727	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R729	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R730	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R732	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R733	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R734	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R736	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R737	QRE121J-271Y	C RESISTOR	270Ω 1/2W J	
R738	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R739	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R740	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R742	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R743	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R744	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R745	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R746	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R747	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R750	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R751	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R752	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R753	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R754	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R760	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R761	QRE141J-105Y	C RESISTOR	1MΩ 1/4W J	
R762	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R763	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description Local
R801	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R802	QRE121J-221Y	C RESISTOR	220Ω 1/2W J
R803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R806	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R808	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R809	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R810	QRE121J-181Y	C RESISTOR	180Ω 1/2W J
R811	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R902	QRL029J-683	OMF RESISTOR	68kΩ 2W J
R903	QRL039J-223	OMF RESISTOR	22kΩ 3W J
R904	QRE121J-680Y	C RESISTOR	68Ω 1/2W J
R905	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J
R906	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R907	QRA14CF-3902Y	CMF RESISTOR	39kΩ 1/4W F
R908	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
⚠R910	QRZ0107-474Z	C RESISTOR	470kΩ 1/2W K
R951	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R954	QRL029J-223	OMF RESISTOR	22kΩ 2W J
R955	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R956	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R957	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R959	QRA14CF-1503Y	CMF RESISTOR	150kΩ 1/4W F
R960	QRA14CF-2702Y	CMF RESISTOR	27kΩ 1/4W F
R961	QRA14CF-3901Y	CMF RESISTOR	3.9kΩ 1/4W F
R981	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R982	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
⚠R991	QRZ9046-825Z	C RESISTOR	8.2MΩ 1/2W K
L001	QQL244J-4R7Z	P COIL	4.7uH J
L101	QQL244J-4R7Z	P COIL	4.7uH J
L102	QQL244J-2R2Z	PEAKING COIL	2.2uH J
L521	QQLZ036-821	COIL	820uH K
L522	QQR1243-002	LINEARITY COIL	
L523	QQLZ036-101	COIL	100uH K
L551	QQLZ026-240	COIL	24uH
L710	QQL231J-100Y	COIL	10uH J
L711	QQL244J-100Z	COIL	10uH J
L713	QQL231J-100Y	COIL	10uH J
L714	QQL231J-120Y	COIL	12uH J
L715	QQL231J-100Y	COIL	10uH J
L716	QQL244K-560Z	PEAKING COIL	56uH K
L951	QQLZ026-460	COIL	46uH
⚠T521	QQR1229-001	DRIVE TRANSF	
⚠T523	QQR1732-001	PIN TRANSF	
⚠T921	QQS0412-001	SW TRANSF	
CN00A	QJL001-050600-E	SIN CR B-B WIRE	
CN00T	QJK002-053220-E	SIN CR B-B WIRE	
CN00U	QJK002-042624-E	SIN CR C-B WIRE	
⚠CP951	QMFZ052-2R0Z-E	FUSE	2A
⚠CP952	ICP-N38-T	IC PROTECTOR	1.5A
⚠CP953	ICP-N25-T	IC PROTECTOR	1.0A
⚠CP954	ICP-N38-T	IC PROTECTOR	1.5A
⚠CP955	ICP-N50-T	IC PROTECTOR	2.0A
⚠F901	QMF51E2-4R0-S	FUSE	4A AC250V
J001	QNN0384-001	PIN JACK	VIDEO AUDIO IN/ OUT(REAR)
J002	QNS0197-001	3.5 JACK	HEADPHONE
J003	QNN0706-001	PIN JACK	VIDEO IN(FRONT)
J004	QNN0706-002	PIN JACK	AUDIO IN(FRONT)
K001	QQR1114-001Z	FERRITE BEADS	
K712	QQR1113-001Z	FERRITE BEADS	
K901	QQR1114-001Z	FERRITE BEADS	
K951	QQR1113-001Z	FERRITE BEADS	
K952	QQR1113-001Z	FERRITE BEADS	
K953	QQR1113-001Z	FERRITE BEADS	
K954	QQR1113-001Z	FERRITE BEADS	
K955	QQR1113-001Z	FERRITE BEADS	
K958	QQR1114-001Z	FERRITE BEADS	
⚠LF901	QQR1635-001	LINE FILTER	
⚠LF902	QQR0673-004	LINE FILTER	
⚠PC901	PS2581AL1/QW/	PHOTO COUPLER	
⚠RY901	QSK0061-001	RELAY	
S701	QSW0619-003Z	PUSH SWITCH	VOL+
S702	QSW0619-003Z	PUSH SWITCH	VOL-
S703	QSW0619-003Z	PUSH SWITCH	CH+
S704	QSW0619-003Z	PUSH SWITCH	CH-
S705	QSW0619-003Z	PUSH SWITCH	MENU
⚠S901	QSW0846-001	PUSH SWITCH	POWER
SF101	QAX0921-001	SAW FILTER	
⚠TH901	QAD0134-4R5	P THERMISTOR	4.5Ω
TU001	QAU0466-002	TUNER	
⚠VA901	QAF0060-621	VARISTOR	620V
X710	QAX0717-001Z	CRYSTAL	8.000MHz

CRT SOCKET P.W. BOARD ASS'Y (SCQ-3003A-H2)

⚠Ref No.	Part No.	Part Name	Description Local
Q351	2SC4212/Z1/	TRANSISTOR	
Q352	2SC4212/Z1/	TRANSISTOR	
Q353	2SC4212/Z1/	TRANSISTOR	
Q354	KTA1267/YG/-T	TRANSISTOR	
D354	1SS244-T3	SI DIODE	
D355	1SS244-T3	SI DIODE	
D356	1SS244-T3	SI DIODE	
D357	1SS244-T3	SI DIODE	
C351	QFZ0097-103	MM CAPACITOR	0.01uF 1250V K
C352	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C354	QCS31HJ-331Z	C CAPACITOR	330pF 50V J
C355	QDC31HJ-271Z	C CAPACITOR	270pF 50V J
C356	QCS31HJ-391Z	C CAPACITOR	390pF 50V J
C357	QETN1AM-477Z	E CAPACITOR	470uF 10V M
R351	QRE141J-151Z	C RESISTOR	150Ω 1/4W J
R352	QRE141J-151Z	C RESISTOR	150Ω 1/4W J
R353	QRE141J-151Z	C RESISTOR	150Ω 1/4W J
R354	QRE141J-331Z	C RESISTOR	330Ω 1/4W J
R355	QRE141J-331Z	C RESISTOR	330Ω 1/4W J
R356	QRE141J-331Z	C RESISTOR	330Ω 1/4W J
R357	QRE141J-470Z	C RESISTOR	47Ω 1/4W J
R358	QRE141J-470Z	C RESISTOR	47Ω 1/4W J
R359	QRE141J-470Z	C RESISTOR	47Ω 1/4W J
R360	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R361	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R362	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R363	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R364	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R365	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R366	QRE141J-622Y	C RESISTOR	6.2kΩ 1/4W J
R367	QRE141J-622Y	C RESISTOR	6.2kΩ 1/4W J
R368	QRE141J-622Y	C RESISTOR	6.2kΩ 1/4W J
R373	QRE141J-0R0Z	C RESISTOR	0Ω 1/4W J
CN0E1	QUB130-30A6AS-E	SIN TWIST WIRE	
⚠SK351	QNZ0536-002	CRT SOCKET	

SECTION 1
PRECAUTION

Please refer to "AV-2100QE (No.YA552)" about this section.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

Please refer to "AV-2100QE (No.YA552)" about this section.

SECTION 3
DISASSEMBLY

Please refer to "AV-2100QE (No.YA552)" about this section.

SECTION 4
ADJUSTMENT

Please refer to "AV-2100QE (No.YA552)" about this section.

SECTION 5
TROUBLESHOOTING

Please refer to "AV-2100QE (No.YA552)" about this section.

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(No.YA552B)

Printed in Japan
VPT

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SERVICE MANUAL

COLOUR TELEVISION

AV-2100QE, AV-2100QE/B, AV-2100QE/KBSK, AV-2100QE/KSK, AV-2100QE/NSK, AV-21Q17, AV-21Q17/B, AV-21Q17/L, AV-21Q17/LB, AV-21QMG7/G, AV-21QMG7/GB, AV-21QMG7/S, AV-21QMG7B/G

BASIC CHASSIS
CQ

Supplementary

Please be informed that there are errors in the following service manuals.
AV-2100QE, AV-21Q17,AV-21Q17/L, AV-21QMG7/G, AV-21QMG7/S, AV-21QMG7B/G (No.YA552, 2007/9)
AV-2100QE/KSK, AV-2100QE/NSK (No.YA552B, 2007/10)
AV-2100QE/B, AV-2100QE/KBSK, AV-21Q17/B, AV-21Q17/LB, AV-21QMG7/GB (No.YA552C, 2008/8)

CORRECTION ITEM

PRINTED WIRING BOARD PARTS LIST [AV-2100QE, AV-2100QE/KSK, AV-2100QE/B, AV-2100QE/KBSK]

MAIN P.W. BOARD ASS'Y (Page 3-5)

⚠	Ref. No.	Part No.		PART NAME	DESCRIPTION
		INCORRECT	CORRECT		
	IC702	ATE08-14UMG7	ATE08-21QMG7	IC	(SERVICE)

PRINTED WIRING BOARD PARTS LIST [AV-21Q17, AV-21Q17/B]

MAIN P.W. BOARD ASS'Y (Page 3-8)

⚠	Ref. No.	Part No.		PART NAME	DESCRIPTION
		INCORRECT	CORRECT		
	IC702	ATE08-14UMG7	ATE08-21QMG7	IC	(SERVICE)

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2009/5

PRINTED WIRING BOARD PARTS LIST [AV-21Q17/L,AV-21Q17/LB]

MAIN P.W. BOARD ASS'Y (Page 3-11)

⚠	Ref. No.	Part No.		PART NAME	DESCRIPTION
		INCORRECT	CORRECT		
	IC702	ATE08-14UMG7	ATE08-21QMG7	IC	(SERVICE)

PRINTED WIRING BOARD PARTS LIST [AV-21QMG7/S]

MAIN P.W. BOARD ASS'Y (Page 3-14)

⚠	Ref. No.	Part No.		PART NAME	DESCRIPTION
		INCORRECT	CORRECT		
	IC702	ATE08-14UMG7	ATE08-21QMG7	IC	(SERVICE)

PRINTED WIRING BOARD PARTS LIST [AV-21QMG7/G,AV-21QMG7B/G,AV-21QMG7/GB]

MAIN P.W. BOARD ASS'Y (Page 3-17)

⚠	Ref. No.	Part No.		PART NAME	DESCRIPTION
		INCORRECT	CORRECT		
	IC702	ATE08-14UMG7	ATE08-21QMG7	IC	(SERVICE)

PRINTED WIRING BOARD PARTS LIST [AV-2100QE/NSK]

MAIN P.W. BOARD ASS'Y (Additionally: No.YA552B Page 1-3)

⚠	Ref. No.	Part No.		PART NAME	DESCRIPTION
		INCORRECT	CORRECT		
	IC702	ATE08-2100BENS	ATE08-21QMG7	IC	(SERVICE)

SECTION 1
PRECAUTION

Please refer to "AV-2100QE (No.YA552)" about this section.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

Please refer to "AV-2100QE (No.YA552)" about this section.

SECTION 3
DISASSEMBLY

Please refer to "AV-2100QE (No.YA552)" about this section.

SECTION 4
ADJUSTMENT

Please refer to "AV-2100QE (No.YA552)" about this section.

SECTION 5
TROUBLESHOOTING

Please refer to "AV-2100QE (No.YA552)" about this section.

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